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Final Submission

AIR QUALITY MONITORING
PROTOTYPE OIL SHALE LEASE TRACTS Ua AND Ub
VOLUME I - METEOROLOGICAL

For the Period

1 January 1980 - 31 December 1980



Submitted to

Mr. Jim Godlove
White River Shale Project
1315 West Highway 40
Vernal, Utah 84078

AeroVironment Inc.

145 VISTA AVENUE - PASADENA, CALIFORNIA 91107 USA

(213) 449-4392

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W425
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By

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145 Vista Avenue
Pasadena, California 91107

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PREFACE

This volume is the final submission of data acquired during the air quality/meteorology/radiology portions of the lease suspension period monitoring program for oil shale tracts Ua and Ub. The period covered runs from 1 January 1980 through 31 December 1980.

The data presented herein appears in two volumes:

Section I - Meteorology

Data tabulation for all sites, in order by site

1. Wind speed, WS, 10 m, 20 m, 30 m
2. Wind direction, WD, 10 m, 20 m, 30 m
3. Temperature, T
4. Lapse rate, T, between 10-30 m
5. Root-mean-square variation in wind direction, σ_{θ} , 10 m, 30 m
6. Root-mean-square variation in vertical wind speed, σ_w , 10 m, 30 m
7. Solar radiation, SR
8. Barometric pressure, BP
9. Relative Humidity, RH

Section II - Air Quality

In order of site number

1. Total sulfur, TS
2. Hydrogen sulfide, H_2S
3. Sulfur dioxide, SO_2
4. Total hydrocarbons, THC, expressed as $\mu g/m^3$ of CH_4
5. Non-methane hydrocarbon, HC
6. Methane, CH_4
7. Carbon monoxide, CO
8. Nitrogen oxides, NO_x , expressed as $\mu g/m^3$ of NO_2

Section II - Air Quality cont..

9. Nitric oxide, NO
10. Nitrogen dioxide, NO₂
11. Ozone, O₃
12. Total Suspended Particulates, TSP

Not all sites measure all of these parameters.

The data tabulation contain average values for each day, and the peak hourly average for the day. Along the bottom, the average for each hour, averaged over the month, is compiled. Air quality data is given in ug/m^3 usually with values for NO_x computed on the basis of the molecular weight of NO_2 , and those for HC and THC based on the molecular weight for CH_4 .

On the wind direction sheets, "PV" and "PREV" indicate prevailing wind direction divided into 16 sectors with a "1" indicating a prevailing direction between 348.5 and 11.0 degrees, a "2" corresponding to 11.5 to 34.0 degrees, and so forth, i.e., a "1" indicates wind from the 22.5° sector centered on N, a "2" indicates winds generally from the NNE, a "3" from the NE, etc.

Symbols used on the data sheets are:

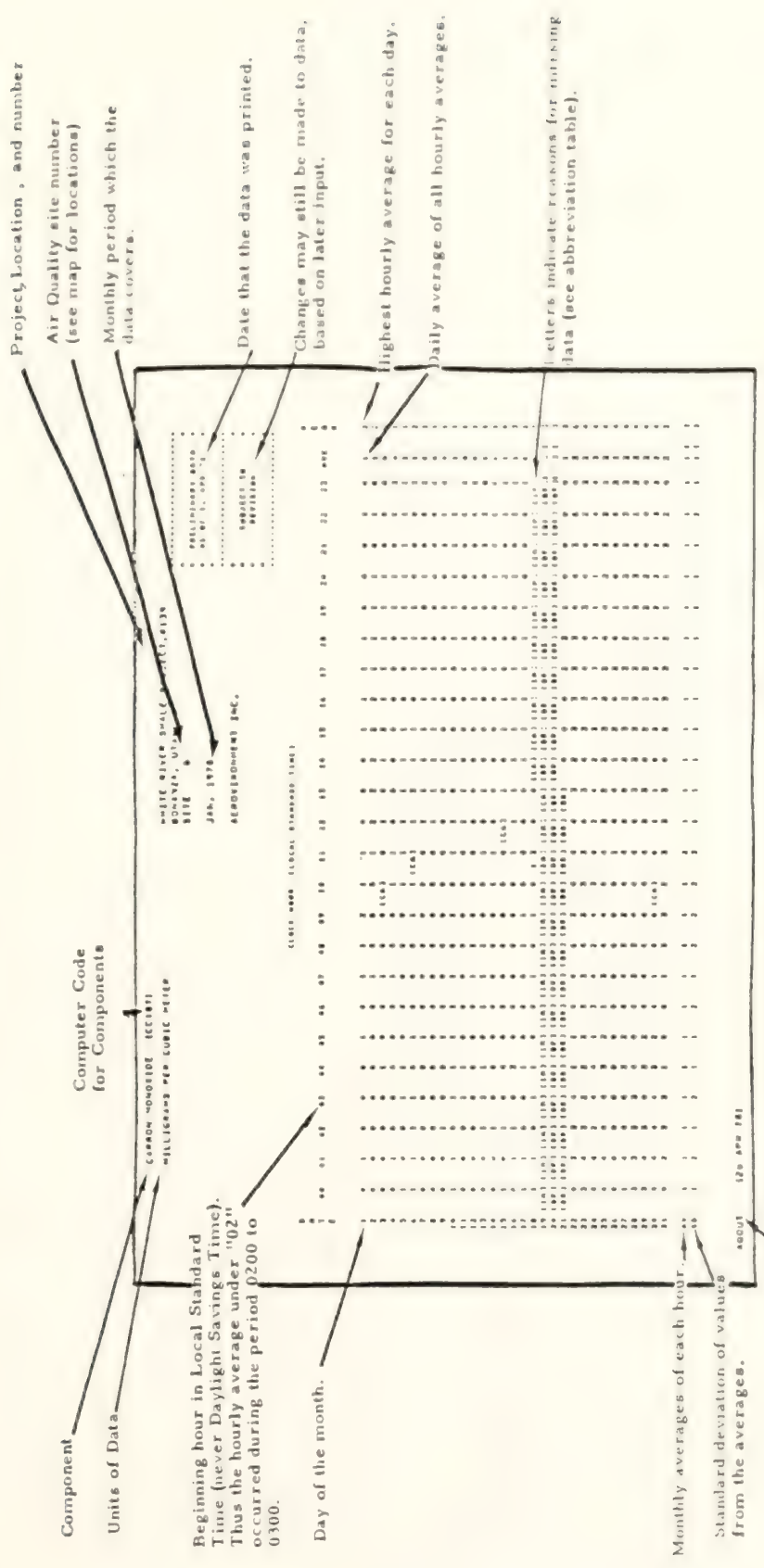
CA	Calibration
MT	Maintenance (changing paper, tape, filters)
FO	Flame Out (on the gas chromatographs)
IM	Instrument Malfunction (not discovered until after data has been collected)
PF	Power Failure (generator failure)
RF	Recording System Failure (chart jams, runs out, tape punch fails)
LI	Local Interference
OS	Off Scale (at top of chart, data presumed good)
SE	Special Experiment (instrument off-line for bag sample analysis or removed for special measurements in area)
VA	Variable wind direction
OR	Out for Repair (instrument problem has been recognized and the instrument is no longer sampling while being repaired)
IN	Interference (acts of nature)
OE	Operator Error

UTAH WHITE RIVER SHALE PROJECT
Instrument Lower Detection Limit, Data Precision,
and Lower Limit of Data Validity

Parameter	Instrument	Instrument Lower Detection Limit	Data Precision	Lower Limit of Data Validity
SO ₂	Teco Model 43	25 µg/m ³	8 µg/m ³	25 µg/m ³
NO	Monitor Labs 8440 E	5 µg/m ³	6 µg/m ³	6 µg/m ³
NO _x	Monitor Labs 8440 E	5 µg/m ³	6 µg/m ³	6 µg/m ³
NO ₂	NO _x - NO	5 µg/m ³	12 µg/m ³	12 µg/m ³
O ₃	Monitor Labs 8410 E	2 µg/m ³	6 µg/m ³	6 µg/m ³
CO	Monitor Labs 8310	0.1 mg/m ³	0.1 mg/m ³	0.1 mg/m ³
TSP	GMWC-2000H	0.5 µg/m ³	+6% of load or 1 µg/m ³	1 µg/m ³
Wind Speed	MRI-1022 (Sites 4,6)	2 mph	0.5 mph	2 mph
	MRI-1071 (Sites 11,13)	2 mph	0.5 mph	2 mph
Wind Direction	MRI-1022 (Sites 4,6)	N/A	5°	N/A
	MRI-1071 (Sites 11,13)	N/A	5°	N/A
Sigma Theta*	MRI-1022 w/ sigma processor	0.5°	1°	1°
Sigma W	R.M. Young 27100 w/AV sigma processor	0.05 m/s	0.05 m/s	0.05 m/s
Temperature	MRI-840-1 (Sites 4,6)	-30°C	1°C	-30°C
	MRI-1071 (Sites 11,13)	-34°C	1°C	-34°C
Delta Temperature	MRI-840	N/A	0.2°C	N/A
Barometric Pressure	Science Associates No.370	600 mm Hg	.5 mm Hg	600 mm Hg
Net Solar Radiation	Frietchen net radiometer	-0.40 Ly/min	0.05 Ly/min	-0.40 Ly/min
Relative Humidity	Weathermeasure H321-S	0%	5%	5%

* Five minute sampling time.

MONTHLY COMPONENT SHEET KEY



Computer program name and revision date

MONTHLY WIND DIRECTION SHEET KEY

Project Location, and number

Units are degrees of a circle 0 to 360 to the nearest 5 degrees.

Altitude of measurements (10 meters, 20 meters, etc.)

Computer Code for Components

Air quality site number. (see map for location)
 Monthly period which the data covers.
 Date that the data was printed.
 Changes may still be made to the data, based on later inputs.

WIND DIRECTION (Sector)
 DISCRETE LEVEL HEIGHT 10 METERS

WIND DIRECTION (Sector)
 DISCRETE LEVEL HEIGHT 10 METERS

Computer Code for Components

DATE: 01/01/68

PROJECT: 126 478 761

Computer program name and revision date

Peak column is not used

"VA" stands for variable, which indicates no definite prevailing wind direction.

Monthly prevailing wind direction is divided into 16 sectors. Sector "1" indicates a prevailing direction between 348.5 and 11.0 degrees (22.5 degree sector) centered on North. Sector "2" corresponds to 11.5 to 34.0 degrees, centered on the NNE, etc.

Day of the month	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
01	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
02	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
03	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
04	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
05	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
06	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
07	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
08	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
09	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
20	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
21	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
22	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
23	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
24	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
25	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
26	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
27	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
28	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
29	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
30	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
31	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Beginning hour in Local Standard Time (never Daylight Savings Time). Thus the hourly average under hour "02" occurred during the period 0200 to 0300.

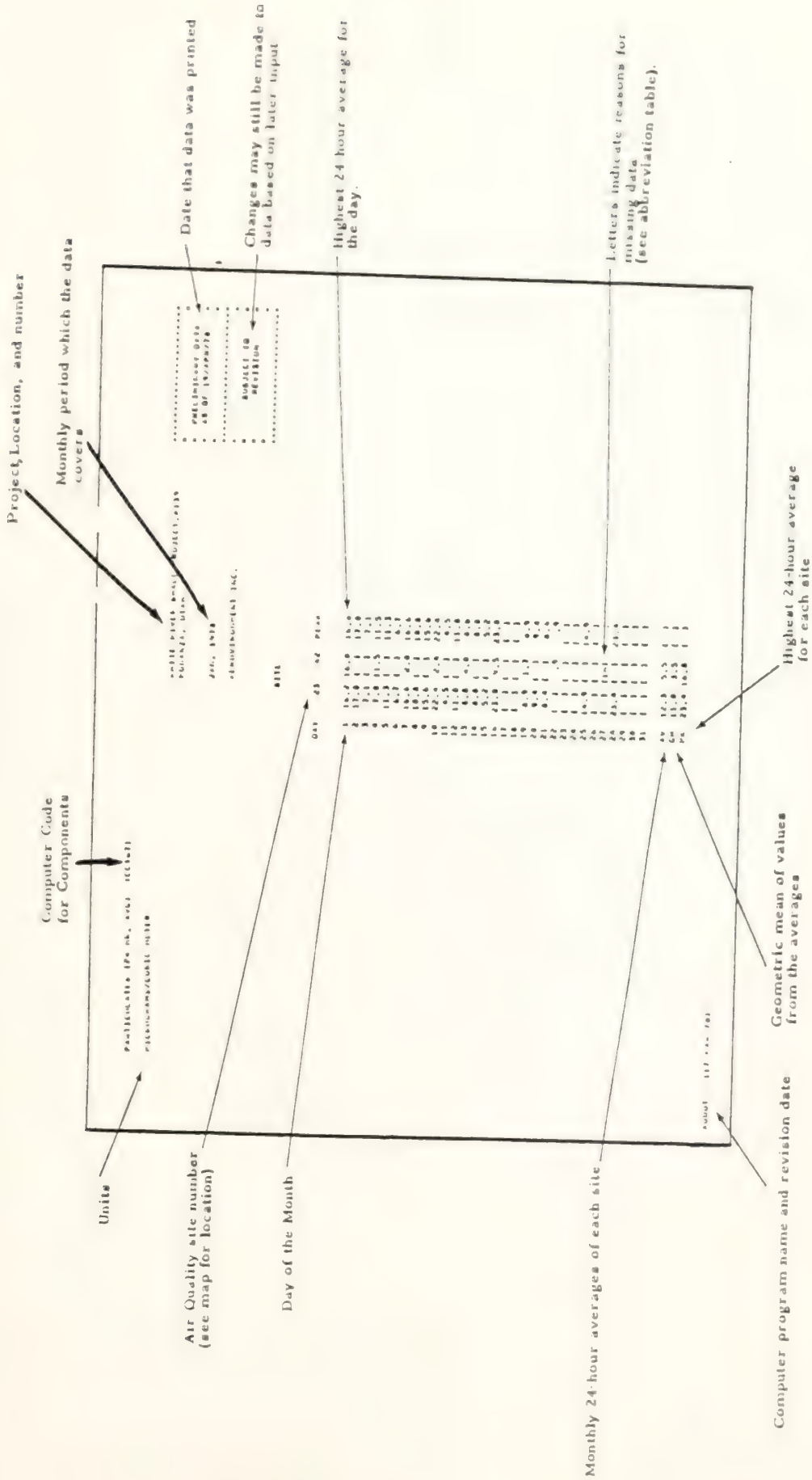
Day of the month.

"VA" stands for variable, which indicates no definite hourly average wind direction is possible.

Malfunction code indicates reason for missing data (see abbreviation table).

Monthly prevailing wind direction is divided into 16 sectors. Sector "1" indicates a prevailing direction between 348.5 and 11.0 degrees (22.5 degree sector) centered on North. Sector "2" corresponds to 11.5 to 34.0 degrees, centered on the NNE, etc.

MONTHLY PARTICULATES SHEET KEY



SITE 4

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4
JAN. 1980

AEROTECHNICAL INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
9	12.0	10.0	8.0	7.5	7.0	5.5	6.0	9.0	7.0	12.5	13.5	13.5	13.0	12.0	10.5	9.5	8.0	7.0	7.5	9.5	11.0	11.0	12.0	12.5	12.5	8.0	12.5	
10	12.0	12.0	14.5	13.5	12.0	10.5	10.0	13.5	17.5	17.5	15.5	17.5	18.5	21.5	20.0	22.5	18.5	17.0	21.0	18.5	20.0	15.5	6.0	6.0	11.0	10.0	16.5	
11	4.5	9.0	10.5	11.0	10.0	7.5	6.0	5.5	4.5	4.5	4.5	4.5	3.5	2.5	3.0	3.5	3.5	3.5	5.0	3.0	2.5	4.0	3.5	3.5	5.0	11.0	5.0	
12	4.5	4.0	3.0	3.0	4.0	5.5	8.0	5.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	
13	5.5	6.5	4.5	3.0	3.0	3.0	3.5	6.0	4.5	3.0	3.0	4.0	4.0	4.0	4.5	4.0	4.0	3.0	3.5	2.5	4.5	4.0	3.0	4.5	6.5	10.0	4.5	
14	10.0	12.5	13.0	13.5	16.0	12.0	12.5	10.5	18.0	12.0	9.5	8.0	9.0	6.5	7.5	3.5	4.0	3.0	3.5	2.5	7.5	4.0	3.0	4.5	4.5	4.5	18.0	4.5
15	3.0	5.0	2.5	4.5	6.0	7.5	7.0	4.5	3.0	3.5	3.0	3.5	5.0	5.0	4.5	4.0	3.5	2.5	3.5	2.5	7.5	4.0	3.0	2.0	4.0	7.5	4.0	
16	2.0	3.0	2.0	2.0	3.0	3.5	4.5	5.5	3.0	3.0	3.0	3.0	3.5	3.5	3.0	3.0	4.0	3.0	3.0	2.5	3.0	2.5	2.5	3.0	3.0	3.5	5.5	
17	3.5	4.5	4.5	5.0	3.0	2.5	3.0	2.5	3.0	3.0	6.0	5.0	6.0	7.5	3.5	3.0	4.0	3.0	3.5	2.5	2.0	3.5	2.5	2.0	2.0	4.0	4.0	
18	1.5	2.5	4.0	3.0	3.0	3.0	2.5	3.5	3.0	3.5	3.0	3.5	3.0	4.0	4.5	4.5	6.0	4.5	3.0	7.5	14.5	14.5	13.5	9.5	5.0	14.5	5.0	
19	7.5	11.0	15.0	15.5	16.5	17.0	13.5	14.0	12.0	15.0	12.5	12.0	9.5	10.0	8.0	4.0	4.0	3.0	5.0	5.5	11.5	9.0	5.5	5.0	10.5	17.0	5.0	
20	5.5	7.5	6.0	3.0	6.5	7.5	7.0	5.0	5.0	3.0	4.0	6.0	4.5	5.5	5.0	4.5	5.0	4.0	5.0	4.5	3.0	2.0	2.0	2.5	5.0	7.5	4.0	
21	2.5	2.0	3.0	3.0	3.0	2.0	2.0	2.0	3.5	4.5	3.5	3.0	3.0	4.0	3.0	4.5	5.0	6.0	6.5	6.0	7.5	6.5	5.5	4.0	4.0	7.5	4.0	
22	3.5	3.5	4.0	5.0	4.5	3.5	4.0	5.5	6.5	5.0	4.0	3.0	4.0	5.0	4.0	3.5	2.5	3.0	2.0	2.5	6.0	5.0	3.5	6.0	4.0	6.5	4.0	
23	4.5	3.0	4.0	3.0	3.0	3.5	4.0	3.5	3.5	3.5	3.0	4.0	6.5	6.0	5.0	4.0	4.5	5.0	4.5	3.5	3.0	4.5	4.0	3.0	4.0	4.5	4.0	
24	3.0	2.0	2.5	3.5	2.0	2.5	2.0	2.0	3.0	2.5	3.5	3.5	3.0	3.0	3.5	3.5	3.5	4.0	4.0	3.0	3.0	2.5	2.5	2.5	3.0	4.0	4.0	
25	2.5	2.5	3.0	3.0	3.0	5.0	3.0	3.0	2.0	3.0	2.5	2.0	2.5	4.0	3.5	6.0	4.5	4.5	3.0	3.5	6.5	6.5	6.5	4.0	4.0	8.5	4.0	
26	2.5	4.0	5.0	5.0	3.5	3.5	1.5	1.0	3.0	3.5	4.5	5.5	5.5	4.0	4.5	4.5	5.0	5.5	4.5	3.5	3.5	4.0	4.0	2.5	4.0	5.5	4.0	
27	3.0	4.0	3.5	4.0	3.5	1.5	1.0	5.0	4.0	3.5	4.0	3.5	4.0	3.5	4.0	3.5	3.0	3.5	5.0	2.0	6.5	5.0	3.0	5.0	3.5	6.5	4.0	
28	4.0	3.0	3.0	1.5	3.5	3.5	4.5	3.0	2.5	3.5	1.5	2.5	2.0	2.0	2.5	2.5	2.5	1.5	2.5	2.0	2.5	3.5	1.5	1.0	2.5	4.5	4.5	
29	1.5	2.0	2.0	2.0	3.5	2.0	1.0	1.5	2.0	2.0	3.5	4.0	4.0	5.5	3.5	9.5	12.5	5.0	5.5	3.5	6.5	5.0	12.5	6.0	4.5	12.5	4.5	
30	4.0	4.5	3.5	3.0	3.0	4.0	4.5	4.0	4.5	4.5	3.0	5.0	4.5	3.5	5.5	2.0	2.5	2.0	2.5	4.5	1.5	2.5	2.0	2.5	4.5	5.5	4.5	
31	2.5	3.5	2.5	3.0	5.0	7.0	2.5	3.0	2.5	3.5	3.0	3.5	4.5	3.0	3.5	3.5	3.5	3.0	3.5	5.0	4.5	2.5	5.5	2.5	3.5	7.0	4.5	
AV	4.5	5.5	5.5	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.0	5.0	5.0	6.5	6.0	5.5	5.0	5.5	5.5	5.5	
SD	3.0	3.5	4.0	4.0	4.0	3.5	3.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	4.0	4.0	3.5	4.5	4.0	3.5	3.0	3.0	3.0	3.0	

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT | 10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 4

FEB, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	6.5	4.5	4.0	3.0	3.5	4.0	4.5	3.5	3.0	3.0	4.0	5.0	6.0	6.0	6.0	4.5	4.0	6.5	4.0	3.0	3.5	4.5	3.0	4.5	6.5	
2	3.5	4.5	3.5	3.5	4.5	4.5	3.0	2.5	3.0	3.0	4.5	6.0	3.5	3.0	4.0	4.0	5.0	3.5	4.5	3.5	3.5	4.0	4.0	2.5	4.0	6.0	
3	4.5	4.0	4.0	5.5	3.0	4.0	2.5	3.0	2.5	2.5	5.5	3.5	3.5	3.5	3.5	4.0	4.0	3.5	4.5	5.5	4.5	4.5	4.0	3.0	4.0	5.5	
4	2.5	7.0	3.5	5.0	5.0	3.0	3.0	4.0	3.5	3.5	3.0	3.5	5.0	5.5	5.0	2.5	3.0	3.0	3.0	3.5	4.0	3.5	4.5	3.0	4.0	7.0	
5	3.0	4.0	3.0	4.5	4.0	3.5	4.0	3.0	1.5	3.5	2.5	3.5	4.5	4.5	3.5	4.0	4.0	4.5	4.0	3.5	3.5	3.5	5.5	5.0	4.0	5.5	
6	4.0	4.0	3.0	3.0	3.5	4.0	2.5	2.0	2.0	2.5	4.5	4.5	3.5	3.5	3.5	6.0	5.0	3.0	5.0	4.0	3.5	3.0	3.5	4.5	3.5	6.0	
7	6.5	3.0	3.0	4.0	3.0	3.0	1.5	2.5	3.5	3.0	5.0	5.0	4.5	4.0	10.5	14.5	16.5	16.0	11.5	8.0	6.0	6.0	6.5	6.5	7.0	16.5	
8	6.5	6.0	6.5	5.5	4.0	6.5	4.5	7.5	6.0	3.0	4.0	5.5	5.5	5.5	7.5	7.0	6.0	2.5	2.0	5.0	6.0	6.5	9.5	6.5	6.0	9.5	
9	4.5	4.0	3.5	3.5	3.0	4.0	5.5	4.5	2.5	2.5	2.5	5.5	4.5	4.5	3.0	4.0	5.5	5.0	4.0	3.0	2.5	2.5	2.0	3.0	4.0	4.0	
10	3.0	4.0	4.5	2.5	3.0	2.5	2.5	4.0	3.5	3.0	3.5	3.5	3.0	4.0	6.0	5.5	5.5	4.0	3.5	3.0	3.5	2.5	2.0	2.5	4.5	4.0	
11	2.5	3.0	2.0	2.0	2.5	2.0	2.5	2.0	2.5	2.5	3.0	5.0	4.0	4.0	6.0	5.5	5.0	3.0	2.5	4.5	3.0	2.0	2.5	2.0	3.0	6.0	
12	2.0	2.5	2.5	2.0	3.5	2.0	3.0	4.5	1.5	2.5	3.0	3.0	3.0	3.0	4.5	4.5	5.0	3.0	2.5	4.5	3.0	2.5	2.5	2.0	3.0	5.0	
13	3.5	4.0	4.0	2.0	2.5	3.0	3.0	3.0	4.0	2.5	3.0	3.5	3.5	3.5	3.5	3.0	4.0	2.5	3.0	3.0	3.0	3.5	4.5	3.5	3.5	6.5	
14	3.5	4.5	3.0	3.0	2.5	4.0	4.5	3.5	5.0	3.0	3.0	4.0	5.0	5.0	4.0	3.0	3.5	5.5	3.5	3.5	3.5	4.5	6.0	2.5	4.0	6.0	
15	4.0	3.0	3.0	4.5	3.5	3.5	2.0	2.0	5.0	2.0	2.5	3.5	4.0	3.0	3.0	4.0	6.5	6.5	3.5	3.5	4.0	2.5	2.5	3.5	3.5	6.5	
16	3.0	3.5	4.5	3.5	2.5	3.5	3.5	4.0	5.0	3.5	2.5	3.5	4.0	3.0	3.5	2.5	4.5	3.0	2.0	2.5	3.5	4.0	4.0	3.0	3.0	5.0	
17	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.0	1.5	2.0	2.5	5.5	5.5	4.0	2.5	4.5	3.0	2.0	2.5	3.5	2.0	2.5	2.5	2.5	5.0	
18	6.0	9.0	7.5	5.0	6.0	3.5	4.5	4.5	6.5	8.5	11.0	9.5	7.5	9.0	11.5	5.5	9.5	6.5	6.5	10.0	8.5	6.5	6.5	6.0	6.5	11.5	
19	7.0	10.0	14.5	9.5	9.0	9.0	11.0	6.0	4.5	3.5	6.0	9.0	10.0	9.5	9.5	10.0	7.5	6.0	6.0	3.5	4.5	5.5	3.5	5.5	7.5	14.5	
20	3.5	4.0	7.5	4.5	4.0	7.0	6.5	4.5	10.0	10.5	6.5	5.0	5.0	9.5	9.0	7.5	9.0	4.5	2.5	4.0	6.5	6.5	8.0	8.0	7.0	10.5	
21	4.0	4.5	2.5	5.5	5.5	4.0	4.0	9.5	7.0	6.5	7.5	6.5	6.0	8.5	7.0	7.5	6.5	6.0	4.5	4.5	4.0	4.0	4.0	3.0	6.0	9.5	
22	3.0	4.5	5.0	5.5	4.0	4.0	5.5	3.5	7.5	9.5	11.0	10.5	10.0	10.5	10.0	9.0	4.5	2.5	2.5	2.5	5.5	4.5	11.0	3.5	6.5	11.0	
23	4.5	5.0	3.5	10.0	4.0	2.5	4.0	7.0	7.0	4.0	9.0	14.0	12.5	7.5	5.5	5.0	5.5	7.5	8.5	9.0	10.0	7.0	6.0	7.5	7.5	14.0	
24	4.5	5.5	5.0	3.5	6.0	7.0	3.0	2.5	2.0	4.0	5.5	5.5	6.5	6.5	6.0	6.0	4.5	2.5	2.5	2.5	3.5	5.0	3.5	3.5	4.5	7.0	
25	3.5	3.0	2.5	2.0	2.5	2.5	3.5	4.0	4.0	4.0	6.5	5.0	4.5	4.5	5.0	5.0	4.5	7.0	5.0	4.5	3.5	3.0	2.5	2.0	4.0	7.0	
26	2.5	4.0	3.5	7.0	4.0	5.5	3.0	5.0	5.0	4.0	7.0	4.5	4.0	4.0	6.5	5.5	2.5	3.5	4.0	3.5	2.5	3.0	2.5	3.5	4.0	7.0	
27	2.5	2.0	6.5	6.0	2.5	2.0	3.5	3.0	4.0	3.5	3.5	4.5	4.5	5.5	5.0	5.0	5.0	5.0	6.0	4.5	3.0	3.0	3.0	2.0	4.0	6.5	
28	2.5	2.5	3.5	6.0	7.0	4.5	7.0	4.5	6.0	5.5	6.5	6.0	6.5	6.0	6.5	3.5	4.5	2.5	3.0	11.0	14.0	7.5	7.0	7.0	6.0	14.0	
29	13.0	9.0	6.0	5.5	5.5	4.0	3.0	4.5	6.5	5.0	10.5	4.0	5.0	5.0	4.5	6.0	6.5	7.0	5.5	6.5	7.0	11.0	9.5	6.5	7.0	14.0	
AV	4.5	4.5	4.5	5.0	4.5	4.0	4.0	4.5	4.0	4.0	5.0	5.5	5.5	5.5	6.0	5.5	5.5	5.6	4.5	4.5	4.5	4.5	5.0	4.0	5.0	11	
SD	2.5	2.0	2.5	2.5	2.0	1.5	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.0	2.0	1.5	11

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 MAR, 1960
 AEROENVIRONMENT INC.

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE	PEAK			
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23					
1	7.5	8.0	9.0	6.5	6.5	6.5	8.0	4.0	5.0	6.0	10.0	6.5	6.0	7.0	6.0	6.5	5.0	3.5	2.5	2.0	2.0	3.0	8.0	8.0	6.0	10.0			
2	4.0	5.0	6.0	3.5	4.0	4.0	3.0	2.5	3.0	2.5	3.0	2.5	3.5	4.0	6.5	8.0	6.5	5.5	3.5	5.0	3.5	2.0	2.0	2.0	2.5	4.0	8.0		
3	3.0	4.0	2.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
4	13.0	12.0	7.5	9.5	7.5	3.5	3.0	5.5	4.0	2.0	3.5	7.5	11.0	11.0	12.5	15.5	15.5	15.0	13.0	10.5	13.0	10.5	10.5	10.5	5.0	9.5	15.5		
5	7.0	6.0	9.5	9.0	10.5	10.0	6.0	6.5	6.0	6.5	11.5	11.5	9.5	12.5	12.0	10.0	9.0	9.5	9.0	7.5	10.5	10.5	8.0	7.5	8.0	9.5	12.5		
6	8.5	6.0	6.0	17.0	15.0	8.0	8.5	8.0	6.5	5.0	3.5	7.0	4.5	4.5	6.0	3.5	6.0	5.5	3.0	3.0	3.0	2.5	2.5	4.0	4.0	6.0	17.0		
7	2.5	1.5	1.0	1.0	1.0	1.5	1.0	1.0	2.5	4.0	6.5	10.0	11.0	9.0	6.0	7.0	6.0	4.5	3.0	4.0	2.5	3.5	5.0	9.0	9.0	4.0	11.0		
8	8.5	9.5	10.0	7.0	3.0	4.5	2.5	3.0	3.0	4.5	6.5	10.0	12.5	12.0	13.5	12.0	9.0	6.5	7.0	6.5	7.5	9.5	9.5	8.0	7.5	8.0	13.5		
9	7.5	5.5	7.5	4.0	7.5	9.5	7.0	6.5	5.0	7.5	10.0	10.5	11.5	15.0	12.5	14.5	14.0	12.5	7.5	6.0	6.5	7.5	7.5	7.5	7.5	7.5	13.5		
10	8.5	8.0	7.0	6.0	9.0	10.5	10.0	6.5	4.0	5.0	4.5	7.0	7.0	5.5	5.5	5.0	4.0	4.0	4.0	6.5	6.5	4.5	4.5	4.5	4.5	4.5	10.5		
11	5.0	3.5	6.0	3.5	2.5	2.5	2.5	2.5	3.0	4.5	3.0	4.5	5.0	4.0	4.5	6.0	7.5	9.5	8.0	9.0	9.0	12.0	9.5	9.0	9.0	9.0	12.0		
12	9.5	10.0	18.5	20.5	21.0	21.5	21.0	20.0	17.5	15.0	18.5	18.0	17.0	17.5	14.0	14.0	12.5	12.0	10.0	4.5	3.5	3.5	3.5	3.5	3.5	3.5	14.0	21.5	
13	11.0	8.5	4.5	4.0	6.5	4.5	2.0	2.0	5.0	4.5	5.0	5.0	6.0	4.5	7.5	7.0	6.0	5.5	8.0	10.0	10.5	10.0	11.0	10.0	10.0	10.0	11.0	11.0	
14	3.5	3.0	3.0	3.0	5.0	3.5	4.5	3.5	3.0	5.5	7.0	6.5	8.5	8.0	9.0	10.0	9.0	10.5	9.0	11.0	9.0	9.5	5.5	5.5	5.5	5.5	6.5	11.0	
15	10.5	11.0	11.0	12.0	10.0	8.0	9.0	10.0	6.5	3.5	8.0	12.0	15.0	12.0	12.0	12.0	12.0	12.0	10.0	5.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	11.0	
16	15.0	17.0	17.0	17.5	9.0	11.5	5.0	8.0	7.5	10.0	12.5	10.5	11.0	11.0	10.5	11.5	12.5	12.0	10.0	8.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	17.5	
17	5.0	6.0	3.5	7.0	6.0	8.0	10.0	4.5	3.5	6.0	5.0	7.5	7.5	8.0	7.0	7.5	8.0	10.0	8.5	9.0	9.0	9.0	9.5	6.5	6.5	6.5	10.0	17.5	
18	5.0	5.0	5.5	8.0	5.0	3.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	10.0	
19	3.5	3.0	2.5	3.5	4.0	3.5	9.5	6.5	4.5	8.5	7.5	12.0	14.5	12.0	13.5	13.5	13.5	15.0	14.0	11.0	8.5	4.5	3.5	3.5	3.5	3.5	4.0	15.0	
20	4.5	6.0	6.0	4.5	3.5	4.0	4.0	6.0	4.0	4.0	5.5	6.5	6.0	7.5	8.0	7.0	9.0	9.5	10.0	9.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.0	
21	4.5	6.5	5.5	5.0	6.5	5.5	6.5	3.5	7.5	12.5	12.5	14.5	13.0	14.0	14.0	16.0	19.5	14.0	9.0	5.5	3.0	6.5	9.0	7.5	6.0	6.5	10.0		
22	8.5	7.5	6.0	1.5	1.0	3.0	5.5	3.0	5.0	5.0	5.0	13.5	17.0	17.5	15.0	17.0	16.5	11.5	11.0	6.5	4.0	4.5	5.0	5.0	5.0	5.0	17.5		
23	7.0	4.5	5.5	5.0	3.0	2.5	3.0	4.5	3.5	6.5	8.5	7.0	6.0	6.5	7.5	5.5	5.0	4.0	3.5	4.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	17.5	
24	5.0	4.0	8.0	5.5	3.0	5.5	4.5	3.5	4.0	6.5	6.0	6.5	9.0	11.0	9.0	10.0	7.5	8.5	7.0	12.5	4.0	7.0	5.0	3.5	5.0	5.0	4.5	17.5	
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.5	
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	
27	10.0	6.5	4.5	6.0	4.0	5.0	4.0	4.0	4.0	4.0	4.5	4.5	6.0	7.5	7.5	8.0	8.0	4.5	5.5	6.5	4.5	7.5	9.5	10.5	4.0	10.5	10.5		
28	3.5	2.5	3.5	4.0	3.5	3.0	3.0	3.5	4.5	4.0	10.5	12.0	14.5	15.0	16.0	13.5	14.0	13.0	8.5	6.5	5.0	6.0	6.0	3.5	4.0	7.0	5.0	4.0	10.5
29	5.0	4.0	2.0	2.5	4.0	4.5	6.0	2.5	4.0	3.5	5.5	5.5	6.0	7.0	5.5	5.0	6.0	4.0	4.0	6.0	6.5	5.0	6.0	3.5	4.0	7.5	16.0	16.0	
30	4.5	10.5	9.5	6.5	4.5	6.0	2.5	5.0	4.0	3.5	6.5	10.0	17.5	18.5	15.5	17.0	11.0	6.0	9.0	7.0	7.0	6.5	4.5	6.5	4.5	5.0	7.5	7.5	
31	3.0	5.0	6.5	6.0	4.5	8.0	6.5	5.0	3.0	5.0	5.0	4.0	6.5	5.0	5.5	6.0	4.0	2.5	3.5	3.5	2.5	4.0	6.5	6.5	6.5	6.5	6.5	18.5	
AV	6.5	6.5	6.5	6.5	5.5	5.5	5.5	5.0	4.5	5.5	7.0	6.5	9.0	9.5	9.5	10.0	8.5	7.0	6.5	6.0	6.0	6.0	6.5	6.5	6.5	6.5	6.5	7.0	11
90	3.5	3.5	4.0	4.5	4.0	4.0	4.0	3.5	3.0	3.0	3.5	3.5	4.0	4.5	4.0	4.5	4.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	11

ABOUT (29 JAN 61)

WIND SPEED (CC801)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

APR, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.5	6.0	5.5	5.0	3.5	3.5	2.5	3.0	5.0	5.5	6.0	6.5	3.5	3.5	5.5	6.5	4.5	3.5	3.5	6.0	11.0	14.5	7.5	12.0	6.0	14.5	
2	11.5	11.0	9.5	4.5	5.5	7.0	6.5	6.5	7.5	7.5	6.5	6.5	6.0	7.0	7.5	6.0	7.0	4.5	4.0	3.5	3.0	4.5	3.0	3.5	6.5	11.5	
3	3.0	10.0	9.5	7.0	4.5	5.5	6.0	4.5	4.5	5.5	5.0	5.0	5.0	5.0	7.0	5.0	4.0	6.0	6.0	3.0	5.5	7.5	6.0	5.5	6.0	10.0	
4	3.0	3.5	2.0	3.5	3.0	3.0	3.0	3.0	5.0	5.0	5.0	4.5	4.0	5.5	5.5	5.5	5.0	5.0	9.0	10.0	6.5	10.5	10.0	6.5	5.5	10.5	
5	5.0	5.0	4.0	3.0	3.5	4.0	3.0	3.0	4.5	7.0	6.0	8.5	9.5	10.5	16.0	17.0	13.5	7.5	12.5	7.0	5.0	5.0	5.5	6.5	7.0	17.0	
6	9.5	15.5	17.0	15.0	10.0	9.0	9.0	8.5	7.5	6.5	11.0	19.5	17.0	17.0	19.5	22.5	24.0	21.5	19.0	7.0	3.0	9.0	5.0	5.0	6.0	13.0	24.0
7	10.0	18.5	10.5	9.0	11.5	17.0	17.0	21.0	16.5	17.0	20.5	24.5	23.5	21.0	20.5	21.5	20.0	20.5	17.5	15.5	12.0	7.0	2.5	7.0	16.0	28.5	
8	8.5	5.0	6.5	3.5	5.5	7.0	4.0	3.5	4.5	4.0	4.5	6.0	7.0	6.0	6.0	7.5	5.5	4.0	3.0	4.5	8.5	9.0	10.0	5.0	6.0	10.0	
9	4.0	5.0	3.0	2.0	2.5	4.0	4.0	3.5	4.0	4.5	5.0	7.5	6.0	11.5	15.0	14.5	15.0	8.5	8.0	9.0	5.5	5.5	5.5	5.0	7.0	15.0	
10	5.5	3.5	7.5	9.5	12.5	14.0	18.5	18.5	10.0	13.0	13.5	18.5	22.5	24.0	23.0	23.0	22.0	21.5	20.5	16.0	9.0	6.5	6.5	6.5	3.5	15.0	24.0
11	4.0	5.0	6.5	5.0	3.0	3.0	6.0	4.0	4.0	7.5	12.5	18.5	18.0	19.0	21.5	20.0	20.5	18.5	14.0	13.0	12.0	9.0	6.0	6.5	11.0	21.5	
12	3.5	5.0	3.5	4.0	2.5	2.5	3.5	2.5	6.0	6.5	9.5	7.5	8.0	8.0	12.0	11.0	15.0	16.0	15.5	13.5	10.0	9.0	6.0	6.5	5.5	11.0	21.5
13	3.5	3.0	2.0	3.5	3.5	3.0	2.0	3.0	5.5	5.5	5.5	6.5	5.5	6.5	5.5	6.0	5.0	5.0	3.0	3.5	7.5	11.0	9.0	10.0	5.0	11.0	
14	10.0	3.0	3.5	4.5	2.5	2.5	3.5	5.0	3.5	4.0	5.0	6.0	5.0	7.0	8.0	7.0	5.5	4.0	2.5	4.5	7.0	6.5	6.5	7.5	5.5	10.0	
15	5.5	4.5	4.0	4.0	2.5	3.0	4.0	5.0	3.5	7.5	7.0	10.0	11.5	13.0	15.0	15.5	20.5	20.5	18.5	18.0	19.0	17.0	10.0	10.0	10.0	20.5	
16	5.5	4.0	5.0	7.5	9.0	3.5	10.0	5.5	5.0	6.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	5.0	5.0	6.0	6.0	9.5	9.0	10.5	7.0	10.5	
17	6.0	4.0	3.0	3.0	3.0	2.5	3.5	4.5	4.0	4.0	4.5	6.0	6.0	5.5	5.5	7.0	5.5	4.0	3.0	3.5	3.5	6.5	6.5	6.5	5.0	6.5	
18	4.5	4.0	3.0	2.5	7.0	6.0	3.5	4.0	3.5	5.0	4.5	5.0	6.0	6.0	10.0	11.0	14.0	11.5	7.5	7.5	6.5	11.5	10.5	9.0	7.0	14.0	
19	7.5	3.5	4.0	2.5	3.0	3.5	5.5	4.0	3.5	4.0	5.5	5.5	7.0	11.0	10.5	7.0	9.0	12.5	6.5	6.0	10.5	12.0	14.0	13.5	7.0	14.0	
20	6.0	4.0	4.5	4.5	4.5	2.5	2.5	4.0	5.0	5.0	6.5	7.5	10.0	10.5	14.0	12.5	12.5	12.0	6.0	6.5	9.5	13.5	11.0	9.5	6.0	14.0	
21	8.5	15.5	11.5	11.0	12.0	6.0	6.0	6.5	9.5	11.0	6.5	9.0	6.0	6.0	9.0	6.5	5.0	9.0	15.5	13.0	2.5	3.5	4.0	4.0	4.0	15.5	
22	3.0	3.0	3.5	4.0	4.5	3.5	6.0	3.5	4.0	5.0	5.5	7.0	8.0	12.0	13.5	12.0	19.0	17.5	17.0	6.0	7.5	6.5	9.5	9.0	6.0	19.0	
23	4.5	5.5	6.0	8.0	9.5	7.5	5.0	6.0	9.5	8.0	6.0	6.0	18.5	12.0	12.0	15.0	13.5	6.5	4.0	5.0	7.5	9.0	6.0	6.5	6.5	14.5	
24	7.0	3.0	4.0	4.0	3.0	3.5	3.0	4.5	6.5	5.5	7.0	7.0	6.5	6.0	4.5	4.5	9.0	7.5	7.5	5.5	9.0	4.5	5.5	6.5	5.5	9.0	
25	10.5	6.0	6.0	5.5	4.0	6.5	11.0	4.0	9.0	11.5	10.0	9.0	9.5	10.0	9.5	10.5	11.5	10.5	13.0	8.5	6.0	6.0	6.0	5.0	6.5	18.0	
26	5.5	6.0	1.5	7.5	7.5	5.0	5.0	5.0	5.5	4.5	7.5	6.0	5.0	5.0	5.0	7.5	5.5	5.0	5.0	4.0	6.0	9.0	7.5	9.0	6.5	9.0	
27	6.0	9.5	6.5	2.5	3.5	3.5	4.0	5.0	4.0	4.0	6.5	6.0	6.0	7.0	7.5	7.5	6.0	6.0	4.0	3.5	5.5	7.5	6.5	6.0	6.5	9.5	
28	6.5	5.5	7.0	7.0	7.5	4.5	3.0	3.5	4.0	4.0	7.0	6.0	6.0	7.5	10.5	8.0	12.0	9.0	3.0	4.0	6.0	6.0	5.5	5.5	6.0	12.0	
29	3.5	3.0	3.5	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.5	6.0	9.5	6.5	6.0	13.5	13.0	12.0	10.0	6.0	4.5	5.5	7.5	6.5	6.5	12.0	
30	5.5	5.0	2.0	4.0	2.5	2.0	3.0	3.5	3.5	3.5	4.0	5.0	5.0	6.5	6.5	6.5	6.0	7.5	5.0	9.0	6.0	7.0	7.0	7.0	5.0	9.0	
AV	6.5	6.5	5.5	5.5	5.5	5.5	5.5	6.0	6.5	7.5	9.0	9.5	10.0	10.5	11.0	11.0	10.5	9.0	7.5	8.0	8.5	7.5	7.5	7.5	7.5	7.5	
SD	2.5	4.0	3.5	3.0	3.5	4.0	4.0	3.5	3.0	3.5	5.0	5.0	5.0	4.5	5.0	5.5	6.0	5.5	4.0	3.5	4.0	3.0	2.5	2.5	2.5	2.5	

(29 JAN 81)

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 MAY, 1980
 AFROVIRONMENT INC.

WIND SPEED (CROSS)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	8.0	4.0	5.5	5.5	4.0	3.5	2.5	4.5	7.5	9.0	9.0	11.5	11.5	7.5	7.0	9.0	10.5	7.5	4.0	5.0	4.0	4.5	6.0	5.5	6.5	11.5
2	6.5	6.0	4.5	6.5	9.5	5.5	3.0	4.0	4.0	5.0	5.5	7.5	13.5	9.0	8.5	10.0	11.5	8.0	5.0	4.0	5.0	6.5	9.0	9.0	7.0	13.5
3	7.5	7.0	3.0	5.5	7.0	5.5	3.5	3.0	3.5	4.0	4.5	6.0	7.5	7.0	7.0	6.0	9.0	8.0	7.0	6.5	7.5	6.5	6.5	7.0	6.0	9.0
4	4.5	9.5	6.0	4.0	2.5	2.0	3.0	2.5	3.5	3.5	5.0	6.0	7.5	9.0	9.0	9.5	12.5	8.5	9.5	9.5	8.0	10.0	10.5	9.0	6.5	10.5
5	8.5	6.5	4.5	3.0	4.0	3.0	4.5	3.5	5.0	5.5	5.0	5.0	5.0	7.0	9.5	12.5	8.5	9.5	6.0	5.0	3.5	5.0	3.5	6.0	6.0	12.5
6	3.5	2.0	7.0	7.5	5.0	2.0	2.0	4.5	4.5	4.5	5.0	6.0	5.5	9.5	8.5	8.0	8.5	8.0	7.5	7.5	6.0	4.0	5.5	6.5	5.5	9.5
7	4.0	3.5	4.0	6.0	6.0	3.0	3.0	2.5	3.0	5.5	6.0	10.0	9.5	8.5	10.5	9.5	9.0	12.5	15.5	5.5	5.5	3.5	4.0	5.5	6.5	15.5
8	6.5	6.5	7.0	5.0	4.5	2.5	1.5	4.5	4.5	5.5	6.0	7.0	6.0	5.5	4.5	5.5	10.0	8.5	9.5	15.5	12.0	14.0	9.0	8.5	7.0	15.5
9	3.5	6.5	8.0	5.5	6.5	4.0	2.5	3.0	9.5	16.5	14.0	14.0	8.5	11.5	13.5	12.5	8.0	4.5	4.5	4.0	2.5	5.0	5.0	3.5	7.5	17.5
10	2.5	3.5	6.5	8.0	7.5	5.5	4.5	3.0	7.0	12.0	12.5	13.5	13.5	14.0	13.0	14.0	12.0	16.0	10.0	8.5	4.5	6.0	6.0	6.5	9.0	16.0
11	6.0	4.0	4.5	4.5	7.0	6.0	6.5	3.5	4.0	4.0	6.0	6.0	6.0	6.0	12.0	12.0	7.5	9.5	5.0	7.0	4.5	10.5	7.0	4.0	6.5	14.0
12	7.5	9.5	9.0	9.0	7.0	6.0	8.0	7.0	10.5	9.5	8.0	10.0	11.0	12.5	13.0	10.5	11.5	11.5	6.5	4.0	5.0	5.0	5.5	5.0	4.5	13.0
13	3.5	3.0	2.5	3.0	3.0	3.5	4.0	4.5	4.5	5.0	6.0	6.0	4.5	7.0	4.5	7.5	9.0	6.5	5.5	6.0	7.5	7.5	8.0	11.0	5.5	11.0
14	9.0	3.5	5.5	3.5	3.5	2.5	3.0	2.5	3.5	5.0	4.0	3.5	5.0	6.0	7.5	9.0	10.0	11.0	11.5	7.0	9.0	7.5	8.5	5.5	6.5	16.0
15	3.0	2.5	3.5	8.5	8.5	8.5	5.0	4.5	5.5	5.0	6.0	6.0	6.0	7.5	9.0	8.0	6.5	4.0	3.5	7.0	8.0	10.5	6.0	7.5	6.5	10.5
16	7.5	4.5	4.5	5.5	4.5	3.0	3.0	3.0	3.5	8.0	6.5	6.5	9.5	9.0	8.5	7.5	10.5	14.0	11.0	15.0	6.0	5.0	11.5	9.0	7.5	15.0
17	5.5	5.5	10.5	5.5	8.0	7.0	2.5	3.5	6.0	5.5	4.0	3.5	5.5	5.5	4.5	4.5	4.5	4.5	3.5	3.0	5.0	4.5	3.0	6.5	6.0	11.0
18	4.0	3.5	3.5	2.5	2.5	4.5	5.0	6.5	3.5	6.5	5.5	6.0	6.0	4.5	4.5	5.0	5.0	4.5	5.5	2.0	2.5	6.5	11.0	10.5	6.0	11.0
19	8.0	4.0	3.0	2.5	3.0	4.0	3.5	2.5	3.0	4.5	4.5	6.0	7.0	8.5	7.5	6.0	7.0	5.5	4.5	6.5	6.5	7.5	7.5	9.5	5.5	9.5
20	7.5	8.5	4.5	3.5	2.5	4.0	4.0	3.5	3.5	5.0	4.5	4.5	5.5	6.5	6.0	6.5	6.5	4.5	6.0	3.0	5.0	7.5	9.5	5.5	5.0	9.5
21	7.5	8.5	3.0	2.5	3.5	3.5	4.0	3.5	3.5	4.0	5.0	6.5	9.0	9.0	9.5	8.5	8.0	14.5	14.5	13.0	10.5	6.5	9.0	9.5	7.5	14.5
22	10.0	6.5	8.5	8.5	9.5	8.5	10.0	12.5	13.0	14.0	14.0	12.5	12.5	11.5	11.5	12.5	12.0	15.0	14.5	11.5	8.0	8.5	11.5	11.0	11.0	15.0
23	13.0	13.0	13.5	15.5	15.0	9.0	10.5	18.5	14.5	16.0	16.0	15.5	16.5	22.5	24.0	19.5	18.0	6.5	11.0	15.5	12.0	10.5	7.5	6.5	14.5	24.0
24	5.0	6.0	9.5	8.0	8.0	8.0	9.0	10.0	13.0	14.0	15.5	12.5	18.0	17.0	13.0	13.0	9.5	10.5	6.5	7.0	6.5	9.5	3.0	7.0	10.0	18.0
25	4.0	5.5	5.5	6.0	5.5	5.5	6.0	4.5	5.5	6.5	7.5	8.0	10.0	11.0	10.0	12.5	9.5	13.0	8.5	5.5	3.0	5.5	10.5	10.0	7.5	13.0
26	5.0	9.5	10.0	9.5	6.0	4.5	4.5	6.0	10.5	12.0	12.0	15.5	15.0	12.0	13.0	11.5	14.0	11.5	9.0	6.5	5.5	5.0	7.5	9.5	9.5	15.5
27	9.5	9.0	3.0	4.5	5.5	3.5	4.0	5.5	4.0	11.5	10.5	10.5	10.0	12.5	14.0	12.5	11.0	10.5	10.0	7.0	6.0	9.5	8.5	11.5	9.0	14.0
28	13.5	9.5	5.0	3.5	7.5	6.5	10.5	10.5	8.0	9.0	12.0	11.5	12.5	12.5	12.5	7.5	6.0	10.5	9.0	4.0	12.0	7.5	4.6	4.5	9.0	11.5
29	6.5	4.5	6.5	9.0	5.0	3.5	3.0	3.5	5.5	5.0	7.0	7.0	5.5	11.0	11.0	8.5	9.0	9.0	9.0	7.5	6.0	7.0	10.0	4.5	7.0	11.0
30	3.5	4.5	6.0	5.0	7.5	6.5	10.0	17.0	8.5	4.0	7.5	7.0	8.0	7.0	9.5	11.0	13.5	8.5	7.0	10.0	6.5	5.0	11.5	3.0	4.0	17.0
AV	6.5	6.0	6.0	6.0	6.5	5.0	5.0	6.0	6.5	7.5	8.0	8.5	9.0	9.0	10.0	10.0	9.5	9.0	8.0	7.5	6.5	7.0	7.5	7.5	7.5	11.0
SD	2.5	2.5	2.5	3.0	3.0	3.0	3.0	4.0	3.5	4.0	3.5	3.5	4.0	4.0	4.0	3.5	3.0	3.5	3.5	3.5	2.5	2.5	2.5	2.5	2.0	1.0

AGOUT (29 JAN 81)

WIND SPEED (C1011)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 4

JUN, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	3.0	5.0	7.5	7.5	10.0	7.5	7.5	5.0	5.5	3.5	7.5	6.0	11.0	6.0	11.5	9.5	9.0	7.5	6.0	8.5	6.5	5.0	11.5	2.0	7.5	11.5
2	3.5	7.0	5.5	4.5	9.0	4.5	9.0	9.5	5.0	5.5	6.5	6.0	11.0	11.0	13.0	11.5	14.5	12.0	11.0	8.5	7.5	5.0	8.5	6.5	8.5	14.5
3	7.5	6.5	9.5	7.5	9.0	10.0	6.5	7.5	11.0	12.5	13.5	13.5	14.0	15.5	13.0	12.5	12.0	9.0	6.5	7.5	8.5	9.5	9.5	9.5	10.0	15.5
4	8.0	9.5	10.5	9.0	10.0	9.0	8.0	9.0	12.5	14.5	13.5	14.0	13.0	14.5	15.5	17.0	15.5	13.5	9.5	9.5	10.0	10.0	7.5	6.5	11.5	17.0
5	5.5	9.0	4.5	5.5	6.0	7.5	6.0	7.0	5.5	7.0	11.0	12.0	12.0	16.0	16.0	16.5	16.5	14.0	13.5	10.0	9.5	10.0	9.5	9.0	10.0	16.5
6	8.5	8.5	5.5	8.0	9.5	9.5	11.0	11.5	15.5	18.0	17.0	20.5	19.5	17.0	19.0	17.0	19.5	20.5	18.5	16.5	8.5	9.0	4.5	5.5	13.5	20.5
7	5.0	7.0	6.5	5.5	4.5	6.5	5.5	4.0	5.0	6.0	7.5	6.5	6.0	6.5	8.0	6.0	6.5	6.0	5.5	3.5	4.0	6.5	7.5	9.5	6.0	9.5
8	12.5	6.0	3.5	4.0	2.0	3.5	3.5	3.5	4.5	5.0	5.5	5.5	6.0	7.0	6.0	9.0	6.5	6.5	7.0	5.0	5.0	7.0	7.0	6.5	5.5	12.5
9	3.0	3.0	1.5	3.0	5.0	6.0	4.5	3.5	4.5	5.5	5.5	6.5	6.5	7.5	7.0	6.0	7.0	7.0	5.5	5.0	6.0	7.5	9.0	9.5	5.5	9.5
10	13.5	6.0	3.0	3.0	4.0	5.0	4.0	3.0	4.5	4.5	5.0	8.0	10.5	11.5	11.0	10.5	9.0	9.5	10.0	6.0	9.5	10.0	11.5	12.5	7.5	13.5
11	10.5	10.0	9.5	6.0	6.0	10.0	10.5	12.5	11.0	11.5	10.5	6.0	5.5	3.5	2.0	2.5	6.0	9.5	11.0	13.0	13.5	12.0	12.5	17.0	9.5	17.0
12	16.5	17.0	13.0	8.5	9.5	12.0	10.0	9.5	10.5	12.0	11.5	13.0	11.0	9.0	8.5	9.0	11.5	15.5	12.5	14.0	12.5	13.5	18.0	14.0	12.0	17.0
13	14.5	13.0	12.5	11.0	9.0	8.5	6.5	2.5	4.5	5.0	8.0	13.0	13.0	12.5	12.5	13.0	13.5	11.5	12.0	10.5	10.0	12.0	12.0	10.0	10.5	14.5
14	9.0	9.5	10.0	10.5	11.5	6.5	7.0	7.5	11.5	13.5	17.0	15.5	18.0	15.0	17.0	17.5	17.0	16.0	19.0	15.0	20.0	15.5	12.0	9.5	13.5	20.0
15	4.5	4.5	3.5	6.5	6.0	6.0	7.0	6.0	5.5	6.5	6.0	13.0	10.5	12.0	11.5	12.5	12.0	11.5	11.0	8.0	6.0	6.5	5.0	4.0	4.0	13.0
16	5.5	7.5	4.0	4.0	2.0	1.5	3.0	5.5	6.5	5.5	7.5	7.0	9.0	6.5	9.0	8.5	6.0	4.0	2.5	6.0	6.0	9.5	11.5	10.0	6.0	11.5
17	10.5	6.0	3.0	2.5	3.5	3.5	3.5	3.5	4.0	4.5	4.5	5.5	7.5	6.0	9.0	6.0	7.0	4.5	2.5	2.5	4.0	4.5	9.0	11.0	5.5	11.0
18	9.5	7.0	4.5	2.5	3.0	3.0	3.5	3.5	4.5	6.0	7.5	9.5	7.0	6.0	8.0	9.0	10.5	10.5	7.0	7.5	11.0	3.5	4.5	4.5	6.5	11.0
19	4.5	4.0	3.5	4.5	10.5	11.0	10.5	9.5	5.5	6.5	4.5	7.0	6.5	11.5	12.0	14.0	12.0	5.5	4.0	3.0	5.5	6.5	6.5	7.0	7.5	14.0
20	5.5	3.5	5.0	5.5	4.0	2.5	3.5	4.5	5.0	5.5	5.5	6.0	5.0	9.5	11.0	9.5	6.0	8.0	7.0	8.5	9.5	10.5	9.5	10.0	7.0	11.0
21	6.0	10.0	5.5	3.5	5.5	3.5	4.5	3.5	5.0	6.0	7.5	10.5	11.5	16.0	15.5	15.5	16.0	15.5	11.5	5.5	6.0	4.0	7.5	5.0	4.5	16.0
22	3.5	4.0	3.5	4.0	3.5	3.5	5.0	3.5	4.5	4.5	6.5	7.5	8.0	10.5	10.0	12.5	10.0	9.5	6.0	7.5	9.5	9.5	10.0	11.5	7.0	12.5
23	11.5	11.0	9.5	10.0	11.0	6.5	7.5	11.0	13.0	13.5	12.5	13.5	16.5	15.5	17.5	18.5	17.0	15.0	13.5	9.0	4.5	9.0	4.5	2.5	11.5	18.5
24	6.5	6.5	6.0	6.5	7.5	3.0	3.5	3.5	4.0	4.5	6.0	12.0	13.0	12.0	13.0	12.5	11.5	11.0	13.0	8.5	6.0	9.5	10.5	3.5	4.5	13.0
25	4.5	5.0	9.5	5.0	6.0	3.5	4.0	2.0	3.5	9.0	9.5	11.0	11.5	10.0	11.0	12.5	12.5	10.0	10.0	9.0	9.0	9.5	9.0	11.0	4.5	12.5
26	11.0	10.0	10.5	6.0	3.5	7.5	8.0	6.0	11.5	12.0	13.0	13.0	14.5	14.5	17.0	17.0	16.5	15.5	13.5	9.0	4.5	9.5	9.5	9.5	11.0	17.0
27	12.0	16.0	15.5	10.5	12.0	12.5	12.0	10.0	7.0	6.0	5.5	10.0	12.5	17.5	17.5	13.5	17.0	17.0	13.0	13.0	9.0	7.0	4.0	6.0	11.5	17.5
28	4.5	4.5	10.0	9.0	9.5	7.5	7.5	4.0	6.5	4.0	5.0	6.0	7.5	8.5	10.0	6.0	6.5	5.5	3.5	4.5	7.5	9.0	9.5	6.0	7.0	10.0
29	7.5	3.5	3.5	5.0	9.0	10.0	9.0	6.0	5.0	7.0	7.0	11.0	14.0	9.5	10.0	10.0	15.5	17.0	9.0	3.5	6.0	5.5	6.0	5.5	4.5	17.0
30	3.0	4.5	5.0	3.0	2.5	5.0	6.0	6.0	6.0	13.0	10.0	14.0	8.5	7.0	5.5	6.5	7.0	7.5	5.5	4.0	17.0	5.0	13.5	4.0	7.0	17.0
AV	7.5	7.5	7.0	6.5	7.0	7.0	6.5	6.0	7.0	8.0	8.5	10.0	10.5	11.0	11.5	11.5	11.5	11.0	10.0	8.0	8.5	9.0	9.0	4.0	8.5	11.0
SD	3.5	3.5	3.5	2.5	3.0	3.0	2.5	3.0	3.5	4.0	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	3.5	3.5	2.5	3.0	3.5	2.5	11.0

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUL, 1980
 AEROVIRONMENT INC.

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	3.5	4.5	7.0	10.0	7.5	3.5	3.0	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	5.5	10.0	
2	8.5	11.0	6.0	6.5	5.5	3.0	2.5	4.5	4.0	6.0	6.5	7.0	6.0	5.0	5.5	13.0	9.0	10.0	10.0	4.0	6.0	7.0	5.0	7.0	6.0	12.5	6.0	12.5
3	12.5	7.5	8.5	10.5	5.0	6.5	9.0	5.0	5.0	5.5	5.0	7.0	9.0	7.0	7.5	8.5	7.5	6.0	9.5	6.0	6.5	8.5	13.0	11.0	6.0	13.0	6.0	13.0
4	10.5	11.5	4.0	2.5	3.0	3.0	5.5	5.5	5.0	5.0	5.0	6.0	6.0	6.0	7.0	7.5	8.5	6.0	7.0	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	5.5	11.5	
5	5.5	6.5	5.5	8.5	5.5	12.0	7.5	6.0	4.5	3.0	4.0	7.5	12.5	12.5	9.5	8.5	9.0	9.0	9.5	7.0	5.5	5.0	5.0	5.0	6.0	7.0	15.5	
6	9.5	7.5	9.0	9.0	5.5	7.0	5.5	7.0	9.5	12.0	10.0	6.0	6.0	6.0	6.0	15.0	12.0	11.5	15.5	7.0	5.5	4.5	4.5	4.5	11.0	7.5	12.5	
7	4.0	4.0	4.5	3.0	6.0	2.5	2.5	3.5	5.5	4.5	5.5	6.5	9.5	6.5	6.0	7.0	5.5	7.0	6.0	3.0	5.5	7.0	6.0	6.0	3.0	9.5	19.0	
8	4.5	3.5	2.5	4.0	3.5	4.5	3.5	5.0	4.5	5.0	6.0	7.5	13.0	14.5	8.0	8.5	13.0	11.5	14.5	10.0	7.5	9.5	5.5	5.5	4.5	7.5	14.5	
9	4.0	3.0	5.0	4.5	4.0	3.5	4.0	3.5	3.5	5.0	6.5	7.5	7.0	6.0	10.5	10.0	7.5	7.5	6.0	4.0	5.0	5.0	5.0	6.0	5.5	8.5	10.5	
10	4.0	4.0	4.0	8.0	9.0	9.5	5.5	9.5	7.0	6.5	9.5	7.5	6.5	13.5	14.5	13.5	17.0	14.5	9.5	4.0	3.0	9.0	6.0	5.5	3.5	8.0	14.5	
11	4.0	5.5	6.5	7.0	9.5	8.5	9.5	7.0	6.5	9.5	7.5	6.5	13.5	14.5	13.5	17.0	14.5	9.5	4.0	3.0	9.0	6.0	5.5	3.5	8.0	14.5		
12	4.0	5.5	6.5	7.0	9.5	8.5	9.5	7.0	6.5	9.5	7.5	6.5	13.5	14.5	13.5	17.0	14.5	9.5	4.0	3.0	9.0	6.0	5.5	3.5	8.0	14.5		
13	4.0	5.5	6.5	7.0	9.5	8.5	9.5	7.0	6.5	9.5	7.5	6.5	13.5	14.5	13.5	17.0	14.5	9.5	4.0	3.0	9.0	6.0	5.5	3.5	8.0	14.5		
14	10.0	5.5	4.5	7.0	10.0	10.5	7.5	7.0	10.0	11.5	11.5	9.5	12.5	14.0	17.0	17.5	16.0	16.5	12.5	9.0	7.0	9.5	4.5	4.5	4.0	10.0	17.5	
15	7.0	11.0	9.0	4.5	5.0	7.0	5.5	4.0	4.5	5.0	7.5	9.0	11.0	11.5	15.0	16.5	17.0	13.5	14.0	12.5	7.0	7.0	5.0	5.0	5.0	9.0	17.0	
16	4.5	3.0	6.0	5.5	5.5	6.0	2.0	2.5	4.0	5.0	6.0	5.5	8.5	11.0	9.5	8.5	7.5	6.5	5.0	4.0	5.5	7.0	7.0	7.0	7.0	6.0	11.0	
17	6.5	9.5	3.0	2.5	3.5	5.5	3.5	3.5	4.0	5.5	7.0	7.5	9.0	9.5	13.5	16.0	17.5	11.0	10.5	8.0	5.0	5.0	5.0	5.0	7.0	7.5	17.5	
18	9.5	5.0	8.5	6.0	7.5	4.5	7.5	6.0	5.0	5.0	5.5	8.0	6.0	14.0	9.0	10.5	12.5	12.0	11.0	5.0	7.0	10.0	9.0	4.0	4.0	4.0	14.0	
19	7.5	12.0	7.0	4.0	4.5	4.5	7.5	6.0	7.0	10.0	12.0	13.0	15.0	13.0	11.5	9.5	9.5	9.0	13.0	10.5	7.0	7.0	6.0	6.0	4.5	9.0	15.0	
20	2.5	2.5	3.5	2.5	4.5	3.0	3.0	4.5	5.0	4.5	4.0	4.5	10.0	12.0	11.5	8.0	7.5	5.5	5.5	3.5	2.0	4.0	4.0	4.5	3.5	5.5	12.0	
21	4.0	5.5	2.0	5.0	3.5	3.0	3.5	5.5	6.5	5.0	6.0	6.5	8.5	11.0	10.5	11.5	11.0	10.0	6.5	2.0	2.5	5.0	4.0	5.5	6.0	11.5		
22	3.5	6.5	6.5	9.5	4.0	4.0	4.5	4.5	5.0	5.0	5.5	10.0	13.5	14.5	12.5	11.5	12.5	9.0	13.0	9.5	8.5	9.5	8.0	6.0	6.0	14.5		
23	8.0	8.5	6.0	2.5	2.5	5.0	7.0	5.5	6.0	6.0	6.5	6.5	8.5	10.5	11.5	8.0	7.0	10.5	17.5	14.5	10.0	8.5	8.5	5.0	5.0	7.0	12.5	
24	5.0	5.0	5.5	4.0	4.0	3.0	5.5	7.0	5.0	6.0	6.5	6.5	8.5	10.5	11.5	8.0	7.0	10.5	17.5	14.5	10.0	8.5	8.5	5.0	5.0	7.5	17.5	
25	5.0	3.0	3.5	2.0	3.5	3.5	2.5	2.5	4.5	5.5	5.5	6.0	7.5	9.5	17.0	12.5	8.0	5.5	6.0	7.0	6.0	4.5	6.5	6.5	5.5	6.0	17.0	
26	7.5	10.5	10.0	6.5	5.5	2.0	2.5	2.5	4.5	5.5	5.0	4.0	7.0	11.0	13.0	10.0	6.5	11.5	6.5	4.5	6.0	6.0	4.0	6.5	4.5	6.5	13.0	
27	6.0	5.0	3.5	3.5	3.0	4.5	3.0	3.5	3.5	4.5	5.5	8.0	7.0	7.0	7.5	7.0	6.0	5.0	4.0	2.5	1.5	3.5	6.0	3.5	5.0	4.0		
28	3.0	3.0	5.0	2.0	2.0	2.5	5.0	6.5	5.5	4.5	5.0	6.0	7.5	9.0	11.5	9.5	9.0	5.5	5.5	3.5	4.0	9.5	10.5	14.0	6.0	14.0		
29	5.5	3.5	5.0	5.0	6.0	6.0	6.5	4.0	7.0	5.5	9.0	6.0	12.5	10.5	12.5	10.0	14.0	14.0	6.5	6.0	4.5	9.5	5.5	7.0	6.0	14.0		
30	5.5	5.0	3.0	6.5	5.5	6.5	3.5	3.5	3.5	5.5	5.5	11.0	9.5	12.5	12.5	10.0	10.5	9.5	8.5	6.0	5.0	3.5	4.5	2.5	6.5	12.5		
31	3.0	2.5	4.5	5.0	4.0	9.0	4.5	5.0	5.5	5.5	5.0	6.0	7.0	7.0	6.0	6.0	8.5	11.5	10.5	9.5	4.0	4.0	4.0	4.0	4.0	6.0	11.5	
AV	6.0	6.0	5.5	5.5	5.0	5.5	5.0	5.0	5.5	6.0	6.5	7.5	9.5	10.0	11.0	11.0	10.5	10.0	9.5	6.5	6.5	7.0	6.5	6.5	7.0	7.0	11.0	
SD	2.5	3.0	2.0	2.5	2.0	2.5	2.0	1.5	1.5	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.5	3.5	4.0	3.0	2.0	2.0	2.0	3.0	1.5	1.5	1.0	

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

AUG. 1980

AEROSURVEILLANCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.0	3.5	3.0	5.0	9.5	10.5	7.0	3.5	7.0	4.0	5.5	7.0	6.0	12.0	10.5	6.0	10.0	12.0	8.0	5.5	6.5	9.0	7.5	7.0	7.5	12.0
2	7.5	4.5	4.0	3.5	5.0	2.5	3.5	3.0	4.5	5.0	5.5	6.0	14.0	13.0	14.0	11.0	9.0	11.0	14.0	10.5	6.5	10.0	5.5	3.0	7.5	14.0
3	5.5	5.5	6.0	7.0	5.5	6.0	7.0	4.0	3.0	6.0	12.5	14.5	22.0	21.0	22.0	22.5	22.5	22.0	21.0	15.5	12.5	16.0	12.0	12.0	12.5	22.5
4	9.0	6.0	5.5	5.5	6.5	5.5	4.0	4.5	6.0	7.5	11.0	14.0	12.5	14.5	14.0	15.5	15.5	16.0	15.0	13.0	9.5	9.5	5.0	4.0	9.5	16.0
5	5.0	6.5	5.0	4.5	5.5	3.5	3.5	3.5	6.0	6.0	7.0	7.5	6.5	6.5	5.5	11.5	16.0	15.5	11.5	8.0	7.0	9.5	11.0	9.5	7.5	16.0
6	8.5	11.5	11.0	6.0	6.0	5.5	4.0	5.5	6.5	10.0	9.0	11.0	13.5	18.5	17.0	15.5	15.0	13.0	11.0	6.5	7.5	10.0	10.0	5.5	10.0	18.5
7	4.0	5.0	3.0	6.0	4.5	3.5	5.0	4.5	4.0	6.5	7.0	7.5	7.0	6.0	6.5	7.5	6.0	5.0	5.0	5.0	5.5	8.5	10.0	7.5	6.0	10.0
8	7.0	6.5	4.5	3.5	5.0	5.0	5.5	4.5	4.0	5.5	5.0	6.0	10.5	16.0	17.5	13.5	12.0	7.0	7.5	3.5	5.5	6.0	10.0	6.0	7.5	17.5
9	6.5	7.0	7.5	4.0	7.0	10.5	7.5	9.5	12.5	11.5	9.5	16.0	13.5	13.5	17.0	16.5	13.0	6.5	4.0	4.0	3.0	3.0	7.0	10.0	9.0	17.0
10	6.5	3.5	3.0	3.0	6.0	4.0	3.5	5.5	4.0	4.0	4.5	10.0	12.0	12.0	13.5	15.5	15.5	15.0	15.0	11.5	6.0	6.5	5.0	7.0	8.0	15.5
11	7.0	4.5	4.5	3.5	3.0	3.0	2.5	3.0	6.5	6.0	4.0	5.5	6.0	6.5	6.5	6.0	7.0	7.0	4.0	3.0	4.5	10.5	11.5	12.5	6.0	12.5
12	11.5	11.0	6.0	7.0	3.5	4.0	4.0	4.0	7.0	11.0	9.5	10.5	11.5	10.0	7.0	7.0	15.0	11.0	11.0	7.0	11.0	8.0	11.5	6.0	6.5	15.0
13	7.5	3.5	5.0	9.0	6.0	6.5	5.5	4.0	3.5	5.0	7.0	6.5	10.0	6.5	10.5	7.0	11.0	10.0	9.5	6.5	7.0	9.0	7.5	7.0	7.5	11.0
14	6.0	7.0	5.0	4.0	3.5	6.5	4.0	4.5	5.5	5.5	5.5	6.5	9.0	10.0	9.0	7.5	9.5	12.0	16.5	14.5	14.5	6.0	5.5	6.0	7.5	16.5
15	6.0	6.0	6.5	6.5	6.5	9.0	7.5	4.5	5.5	6.5	6.5	6.0	8.5	9.5	11.5	15.5	15.5	15.0	7.5	8.5	11.5	10.5	9.5	5.5	9.0	15.5
16	3.5	3.0	6.0	5.0	6.5	3.0	6.5	9.0	4.5	6.5	6.5	9.0	8.5	7.0	11.5	9.0	6.0	7.5	5.5	5.0	8.0	5.5	8.0	5.5	7.0	11.5
17	7.5	7.0	6.0	5.0	3.5	3.5	3.0	3.5	4.0	3.5	4.5	5.0	6.0	6.5	6.0	6.5	6.5	6.0	11.0	9.0	7.0	6.0	7.0	6.0	6.0	11.0
18	6.5	5.5	3.0	4.0	3.5	3.5	3.0	3.0	6.0	12.5	15.0	12.0	13.5	13.0	17.0	14.5	15.5	15.0	11.0	8.5	11.0	10.0	9.0	4.5	9.5	17.0
19	10.5	9.0	10.5	10.5	9.0	10.0	11.0	11.0	16.0	18.5	17.0	18.5	19.5	16.5	20.5	12.0	6.0	20.5	10.5	7.0	9.5	11.5	7.0	5.0	12.5	20.5
20	3.0	5.5	6.0	5.0	3.5	4.0	5.0	5.0	6.0	5.5	5.5	7.5	8.5	8.5	9.5	7.0	6.0	5.0	5.5	5.0	5.5	5.5	5.0	5.5	6.0	9.5
21	3.0	6.5	11.0	11.0	3.0	4.0	2.5	3.0	3.5	5.0	4.5	6.0	5.5	6.5	7.5	6.5	5.5	5.5	4.5	6.5	5.0	6.5	9.0	11.5	6.0	11.5
22	9.0	7.0	7.0	4.0	3.0	2.5	2.5	2.5	4.0	5.0	4.5	4.5	12.0	13.0	14.5	12.5	13.5	15.0	13.0	6.5	7.5	8.0	9.5	4.0	4.0	15.0
23	7.0	7.5	9.5	6.5	6.5	7.5	5.0	4.5	10.0	10.5	11.5	10.5	9.5	9.0	9.5	14.0	8.0	11.0	10.0	11.0	10.5	10.5	11.5	6.5	9.5	14.0
24	6.5	4.0	4.5	6.0	7.0	9.0	7.0	5.5	7.0	6.0	7.0	6.0	8.0	7.5	7.5	6.0	5.5	6.0	6.0	6.0	3.0	6.0	9.0	10.0	7.0	10.0
25	7.0	3.0	6.0	9.0	6.5	6.5	4.5	5.5	6.5	6.5	6.5	16.0	9.0	6.5	6.5	9.0	10.5	7.0	4.5	4.0	4.0	6.5	7.5	7.0	7.0	18.0
26	4.5	5.5	4.0	2.5	3.5	6.5	9.5	7.5	4.5	4.5	4.0	3.5	4.0	5.0	5.5	10.5	11.5	5.5	10.0	6.5	4.0	5.0	7.5	10.0	6.0	11.5
27	7.0	5.0	6.5	2.0	2.0	3.0	3.0	2.5	4.0	5.0	3.5	4.0	5.0	5.0	6.0	14.5	14.5	11.0	5.0	6.5	4.5	9.5	10.5	12.5	6.5	14.5
28	12.5	12.5	7.0	4.0	4.0	5.0	4.0	3.5	4.0	4.0	6.0	13.0	15.5	17.0	16.0	15.0	12.5	11.5	6.5	11.0	11.5	10.5	8.5	9.0	9.5	17.0
29	9.5	11.0	7.5	11.5	11.0	11.0	13.5	12.0	9.5	10.0	11.5	10.5	10.5	11.0	11.5	13.0	10.0	10.5	9.0	9.5	9.5	11.0	11.0	11.0	11.0	13.5
30	10.5	7.0	7.0	5.5	7.5	6.0	10.5	7.5	5.5	6.0	6.0	7.0	6.0	6.5	7.5	17.0	19.0	19.0	19.5	16.5	10.0	7.0	6.0	5.0	9.5	19.5
31	4.0	3.5	2.5	4.5	5.5	4.0	2.5	2.5	3.0	3.5	4.0	4.0	7.5	9.5	10.0	6.5	11.0	6.0	3.5	3.0	4.0	5.5	6.0	5.0	5.0	11.0
AV	7.0	6.5	6.0	5.5	6.0	5.5	5.5	5.0	6.0	7.0	7.5	9.0	10.0	10.5	11.5	11.5	11.5	11.0	9.5	6.5	7.5	6.5	6.5	6.0	6.0	11.0
90	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5	4.0	4.0	4.0	4.5	4.0	4.0	4.5	4.0	3.5	3.0	2.5	2.0	2.5	2.0	1.0

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #4
 SEP, 1960
 AEROSCIENCE INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *

WIND SPEED (CC:01)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.5	3.0	2.0	4.0	5.0	3.0	3.5	2.0	3.0	4.5	4.5	5.5	7.0	6.5	5.5	4.5	5.0	3.5	4.0	7.0	7.0	4.0	7.5	4.5	4.5	7.5
2	5.0	3.5	4.0	6.0	3.0	3.0	3.5	2.5	3.5	4.0	5.0	6.5	8.5	9.5	15.5	17.0	15.5	15.0	6.0	7.5	10.0	10.5	10.5	10.5	5.5	17.0
3	9.5	13.5	12.5	7.0	4.0	4.0	4.0	4.0	7.5	9.0	6.5	7.0	6.5	7.0	11.5	11.5	12.0	10.0	10.0	6.0	2.5	2.5	4.0	8.0	8.0	15.5
4	6.0	3.0	7.5	4.5	3.0	3.0	2.0	3.0	3.0	4.0	3.0	5.0	6.0	7.5	6.0	7.0	6.0	3.5	3.0	4.0	4.0	11.5	11.5	11.5	5.5	11.5
5	3.5	4.5	4.0	2.5	2.0	2.0	1.5	2.0	4.0	3.5	4.0	5.0	6.0	7.0	8.5	6.5	7.0	4.5	3.5	3.5	8.0	11.5	10.0	7.0	5.0	11.5
6	7.0	5.0	8.5	6.0	7.5	8.0	8.5	7.5	7.0	9.0	10.5	9.5	7.0	8.0	12.0	14.5	8.0	5.0	4.0	6.0	7.0	7.0	8.0	6.5	5.0	14.5
7	7.0	7.5	7.5	2.5	4.0	3.5	3.0	4.0	8.5	9.5	6.0	4.5	4.0	4.0	4.5	9.5	6.0	4.5	3.5	3.5	9.0	9.0	7.5	5.5	6.0	9.5
8	15.5	8.0	4.5	5.0	6.0	6.0	4.5	7.0	11.0	9.5	7.0	3.5	4.0	5.5	3.0	3.0	3.0	3.0	3.0	3.5	3.0	3.0	2.0	4.5	5.5	15.5
9	4.0	4.5	4.0	7.0	8.0	6.0	5.5	4.5	4.5	5.0	3.5	4.0	5.5	5.0	4.0	5.0	5.0	6.5	8.5	6.5	5.0	4.0	3.5	2.5	5.0	4.5
10	3.0	2.0	3.5	3.0	2.5	3.0	2.5	3.0	3.5	4.5	4.0	15.5	6.5	7.0	3.5	5.5	4.0	3.5	6.5	7.5	5.5	6.5	7.5	9.0	7.5	15.5
11	4.0	3.5	4.0	3.0	3.0	5.5	5.5	9.0	6.5	13.0	13.0	16.5	18.5	16.0	17.0	17.0	17.0	10.0	7.5	9.0	8.0	9.0	9.0	9.5	9.5	18.5
12	7.5	7.5	6.5	9.0	8.0	7.0	4.0	5.5	6.5	6.5	5.5	5.0	5.5	6.0	5.5	6.0	4.5	5.0	5.0	8.0	7.5	7.5	9.0	9.0	6.5	9.0
13	7.5	6.5	7.5	6.5	4.5	3.0	1.5	2.5	2.5	4.5	5.0	10.5	12.5	10.0	12.5	11.0	12.5	6.5	6.5	6.5	4.0	7.0	6.5	7.5	7.0	10.0
14	5.5	9.5	5.5	5.5	6.0	8.5	5.5	6.0	7.0	10.0	9.5	7.5	7.5	8.5	8.0	7.0	4.0	4.0	3.5	4.0	8.5	9.0	3.0	6.5	7.5	10.0
15	9.5	2.5	2.0	2.0	3.0	3.5	4.0	3.5	3.0	4.5	7.0	7.0	8.0	10.5	17.0	17.0	17.0	14.5	7.5	9.0	10.0	8.5	9.5	10.5	9.5	18.5
16	11.5	11.5	8.0	3.0	7.0	9.0	11.0	10.0	6.5	12.0	18.5	20.0	18.5	17.5	17.0	17.0	17.0	14.5	13.0	14.5	14.0	10.5	6.5	7.5	12.5	20.0
17	5.0	5.0	4.0	6.0	7.0	10.0	6.5	5.0	7.5	10.5	10.0	10.5	12.0	11.5	9.5	9.5	11.0	7.5	7.5	7.5	5.5	5.5	4.0	6.5	7.5	12.0
18	4.0	3.5	4.0	4.5	3.5	3.0	4.0	7.0	4.0	3.5	5.0	6.0	9.5	10.5	12.0	11.5	10.0	9.5	7.5	7.5	7.5	10.0	11.5	11.0	8.5	12.0
19	6.5	9.0	8.5	9.5	10.5	9.5	9.5	9.0	10.5	14.0	18.5	19.5	22.5	22.0	19.5	16.5	10.5	7.5	6.0	9.5	10.0	10.0	10.0	6.0	12.0	22.5
20	7.5	4.0	3.0	7.0	5.0	4.5	7.0	3.0	3.0	5.0	6.5	8.0	7.5	6.5	7.0	5.5	4.5	2.5	6.5	7.0	6.0	6.0	8.5	8.5	4.0	6.5
21	6.0	3.5	5.5	4.0	4.5	5.5	6.5	5.5	5.0	12.5	12.5	12.0	12.0	12.0	17.0	16.5	7.5	6.5	10.5	11.0	10.0	4.5	4.5	4.5	4.0	17.0
22	5.0	3.5	6.0	7.5	5.0	4.5	9.0	4.5	5.5	6.0	6.0	7.0	6.0	6.5	5.5	5.5	5.0	4.0	2.0	4.5	8.5	5.5	5.0	2.5	5.5	6.5
23	3.0	2.0	2.5	6.0	5.5	5.5	5.0	4.5	7.0	5.0	5.5	5.5	6.0	5.5	6.0	5.0	4.0	4.0	3.5	3.0	4.0	5.5	9.0	8.5	5.0	9.0
24	4.5	3.5	4.0	5.0	4.5	4.5	4.0	5.0	3.5	6.5	13.0	14.5	15.5	11.5	7.5	6.5	4.0	4.0	4.0	6.0	9.0	3.5	3.0	3.0	3.0	15.5
25	6.0	7.0	10.5	13.0	7.0	5.0	2.0	5.0	5.0	6.0	6.0	7.0	7.0	8.5	7.0	6.0	4.0	1.5	5.5	5.5	6.0	4.0	2.5	4.0	6.0	13.0
26	3.5	3.0	3.0	2.0	5.5	3.5	4.5	4.0	3.5	4.0	5.0	5.0	6.0	5.5	5.5	6.0	5.0	3.5	4.5	6.0	7.5	9.0	6.5	9.0	5.0	9.0
27	5.0	3.5	4.0	4.0	4.5	6.0	3.5	5.5	3.5	4.0	5.0	5.5	6.5	7.0	8.0	7.0	4.5	3.0	3.0	5.0	6.0	6.5	5.5	3.5	5.0	8.0
28	4.5	3.0	2.5	8.5	11.0	5.5	6.0	3.0	4.0	4.0	5.5	7.0	7.5	8.0	7.5	7.0	3.0	5.5	5.5	7.5	10.0	10.0	9.5	11.0	6.5	11.0
29	4.5	3.5	3.0	5.5	4.0	5.0	5.0	6.0	4.0	5.5	5.0	6.5	5.0	6.5	5.5	5.0	6.5	4.5	3.0	3.0	7.5	9.0	4.0	2.5	5.0	9.0
30	3.5	5.5	7.0	5.0	3.0	4.0	3.5	9.5	6.5	5.0	4.0	5.0	5.5	4.0	7.0	5.5	4.5	4.0	2.0	5.5	5.5	6.0	4.5	5.5	5.0	4.5
AV	6.0	5.0	5.5	5.5	5.0	5.5	4.5	5.0	5.5	6.5	7.5	8.0	8.5	9.0	9.5	9.5	7.5	6.5	5.5	6.5	8.0	7.5	7.0	6.5	6.5	11
SD	2.5	3.0	2.5	2.5	2.0	2.5	2.0	2.0	2.0	3.0	4.5	4.0	4.5	4.0	4.5	4.5	4.0	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.0	11

AUGUST (29 JAN 61)

WIND SPEED (CC101)

MILES/HOUR

LEVEL WEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

OCT, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.5	4.5	5.5	3.0	2.5	6.0	12.0	10.5	4.5	4.5	6.5	6.0	5.0	6.5	7.5	7.0	4.5	4.5	4.0	5.0	4.5	5.5	5.5	6.0	5.5	12.0	
2	7.5	9.0	9.0	7.5	8.0	8.5	12.0	9.5	14.0	12.0	11.5	9.5	7.0	6.0	5.0	4.5	4.0	2.0	3.0	5.5	5.0	4.5	3.0	2.0	7.0	14.0	
3	3.0	6.0	4.5	2.5	4.0	4.5	3.0	3.5	3.5	3.5	4.0	5.0	4.5	4.0	4.5	4.0	3.5	3.5	5.0	5.5	5.0	3.0	1.5	2.5	4.0	6.0	
4	3.0	3.0	4.5	7.5	13.0	7.0	3.5	5.5	3.0	3.5	5.5	5.0	5.5	4.0	5.5	5.0	4.0	5.0	4.5	4.0	3.5	6.5	4.0	3.0	5.0	13.0	
5	4.0	3.5	4.0	7.5	6.0	6.0	4.0	4.5	3.5	3.5	4.5	4.5	4.5	5.5	6.5	6.5	4.0	3.0	3.0	3.5	5.5	5.5	5.0	6.5	5.0	7.5	
6	4.5	3.0	3.5	2.0	2.5	3.0	5.0	4.0	3.5	4.0	5.0	6.0	6.5	6.0	7.0	5.0	6.0	5.0	4.5	2.5	7.5	7.5	5.0	4.5	4.5	7.5	
7	4.5	5.0	2.5	3.5	4.0	8.0	3.5	4.5	4.0	4.5	4.0	5.5	7.0	6.5	4.5	5.5	3.5	2.5	2.0	2.5	6.5	3.5	2.5	3.0	4.5	4.0	
8	2.5	4.0	4.0	2.5	8.0	5.0	6.5	4.5	5.5	3.5	5.0	4.5	6.0	5.5	4.0	4.0	2.0	2.0	3.0	4.5	5.0	2.5	2.5	2.5	4.0	4.0	
9	2.0	5.0	11.0	10.5	10.5	5.5	8.5	10.5	6.0	7.0	6.0	5.0	4.5	5.5	5.5	6.0	5.5	3.5	2.5	3.0	7.5	7.0	3.5	3.0	6.0	11.5	
10	7.5	6.5	6.5	5.5	9.0	11.5	10.0	9.5	8.0	7.5	8.5	9.0	5.3	6.0	5.0	5.0	4.0	4.5	3.5	2.5	3.0	3.0	1.5	2.0	6.0	11.5	
11	3.0	4.5	2.0	2.5	6.0	4.5	3.0	3.5	4.0	4.5	3.5	7.0	6.5	7.0	4.0	3.5	3.5	5.5	8.0	9.5	9.5	10.5	10.5	11.5	5.5	11.5	
12	13.5	7.0	4.0	3.0	3.5	3.0	3.0	3.5	5.5	7.5	14.0	7.5	9.5	10.0	4.0	7.0	8.0	7.5	10.0	9.5	7.5	7.0	4.0	5.0	7.0	14.0	
13	5.5	6.5	7.5	3.5	4.5	4.0	5.0	3.5	3.0	6.5	6.5	5.5	7.3	6.5	6.0	7.0	5.5	6.5	7.0	6.5	11.0	10.0	5.5	6.0	6.0	11.0	
14	4.0	3.5	3.0	4.5	5.0	3.0	3.5	3.0	2.5	4.5	5.0	9.0	4.5	9.5	7.5	9.0	4.5	13.0	12.0	7.5	5.0	4.0	7.5	10.0	6.0	11.0	
15	6.0	10.5	6.0	9.0	6.5	9.5	10.5	6.0	5.5	7.5	6.5	11.0	13.0	10.0	10.0	10.0	7.5	5.5	5.5	4.0	5.0	5.0	2.5	3.5	7.5	13.0	
16	7.0	6.0	7.0	9.5	6.0	7.5	6.5	4.5	5.0	5.5	5.0	5.0	3.5	3.5	4.5	4.5	6.0	11.0	9.5	12.5	15.0	11.5	12.0	11.5	7.5	15.0	
17	12.0	2.5	4.0	4.0	7.0	5.0	6.5	8.0	6.5	6.0	10.5	11.0	11.5	14.0	13.0	13.0	12.0	6.0	9.5	9.5	11.0	9.5	5.0	5.0	6.5	14.0	
18	5.0	3.5	6.5	4.5	5.0	5.0	6.0	7.5	4.5	4.5	4.5	3.5	3.5	5.0	4.0	4.0	3.5	2.5	1.5	6.5	6.5	8.5	6.5	6.0	5.0	6.5	
19	6.0	7.0	6.0	7.0	4.5	3.0	3.5	2.5	3.0	4.0	4.5	5.0	4.5	6.0	6.0	5.0	4.0	3.0	2.5	6.0	2.5	6.0	9.5	8.0	5.0	6.5	
20	2.0	2.5	3.0	5.0	5.0	3.5	2.5	6.5	4.0	3.5	5.5	5.5	6.5	6.5	5.0	4.0	3.0	1.5	2.0	6.0	8.5	6.0	6.0	3.0	4.5	6.5	
21	2.5	2.5	3.5	2.5	5.5	9.5	3.5	4.0	3.5	4.5	4.5	4.0	6.0	6.5	5.5	4.5	2.5	3.0	4.5	6.5	9.5	9.5	10.5	8.0	5.5	10.5	
22	6.0	5.5	3.0	4.0	3.5	3.0	6.5	8.0	10.5	13.5	17.5	19.5	18.0	17.0	19.5	19.5	23.0	21.0	14.5	6.5	7.0	4.5	3.5	4.5	11.0	21.0	
23	3.5	3.0	4.5	7.5	10.5	7.0	7.5	9.5	10.5	10.5	9.5	7.0	6.5	4.5	5.0	4.5	4.5	3.0	5.0	4.5	2.5	5.0	10.5	9.5	6.5	10.5	
24	7.0	6.0	3.0	5.0	7.5	3.0	3.5	2.5	2.5	3.5	4.5	4.5	3.5	4.5	5.0	4.0	6.0	6.0	6.0	3.5	5.0	2.5	3.5	3.5	4.5	7.5	
25	6.5	3.5	3.0	2.5	2.0	2.0	1.5	1.5	3.0	4.0	5.5	5.0	5.0	7.5	7.0	6.0	3.0	2.0	4.0	3.0	3.0	6.0	3.0	4.0	4.0	4.5	
26	2.5	2.0	2.5	3.0	3.0	2.0	4.0	4.5	4.5	3.5	7.0	7.5	5.5	6.5	5.0	3.0	2.0	4.5	2.5	3.5	3.5	4.5	6.5	4.5	4.0	7.5	
27	2.5	5.0	5.0	4.0	5.5	3.5	3.5	3.5	5.0	11.0	13.0	13.5	15.5	17.5	19.5	19.0	19.5	17.0	12.5	11.0	9.0	9.5	8.0	4.5	10.0	19.5	
28	6.0	8.0	6.5	2.5	2.0	3.0	5.0	3.0	4.5	3.5	6.0	6.5	5.5	4.5	4.0	4.5	4.0	3.5	4.5	5.0	4.0	6.5	6.5	4.5	5.0	4.5	
29	8.0	7.5	9.5	10.5	11.0	3.5	4.5	4.5	3.0	3.5	4.5	4.5	4.0	6.0	4.5	4.5	3.5	4.0	4.5	4.5	5.0	3.0	6.5	4.5	5.5	11.0	
30	2.5	4.5	4.0	1.5	1.5	2.5	4.0	2.5	2.0	3.0	3.5	4.5	5.0	3.0	3.5	3.5	3.0	3.0	4.5	4.0	2.5	3.0	2.0	4.5	3.5	5.0	
31	6.5	6.0	3.5	2.5	2.5	2.5	2.5	1.5	3.0	3.0	4.0	3.5	3.5	5.0	4.5	3.5	4.5	3.5	2.5	1.5	2.0	3.5	2.5	3.0	3.5	6.5	
AV	5.5	5.0	5.0	5.0	6.0	5.0	5.0	5.0	5.5	6.5	7.0	6.5	7.0	6.5	6.0	6.0	5.5	5.5	5.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	6.5
SD	3.0	2.0	2.5	2.5	3.0	2.5	3.0	2.5	3.0	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.5	4.5	3.5	3.0	3.0	2.5	3.0	2.5	2.0	1.5	

WIND SPEED (CC:01)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #119
RONANZA, UTAH

SITE #

NOV, 1980

AFPROVIRONMENT INC.

***** FINAL DATA *****
***** AS OF 04/JUN/81 *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.0	5.0	5.5	10.5	10.5	3.5	3.5	3.5	5.5	4.5	5.0	4.5	4.5	5.5	3.0	2.5	4.0	3.0	3.0	2.5	4.0	4.5	5.5	3.0	4.5	10.5	
2	2.5	2.5	3.0	4.5	4.5	7.5	4.0	5.5	3.5	4.0	4.0	5.0	3.5	3.5	5.0	7.0	5.5	3.5	3.5	5.0	4.0	3.5	4.0	3.5	4.0	7.0	
3	4.5	3.5	4.5	3.5	3.0	3.5	5.5	3.5	4.0	3.0	4.0	4.0	5.0	7.0	5.5	4.0	3.5	2.0	2.5	4.0	4.0	3.5	4.0	3.5	4.0	7.0	
4	5.5	5.5	6.5	6.5	5.5	5.5	4.0	5.0	7.0	3.5	3.5	4.5	4.5	4.0	3.5	2.5	3.0	4.5	4.0	3.5	4.0	3.0	2.5	2.0	4.5	6.5	
5	2.5	3.0	3.0	2.5	6.5	3.5	3.5	4.0	5.0	3.0	3.5	4.5	3.5	3.5	4.5	4.5	5.5	5.5	4.0	3.0	2.5	2.5	2.5	2.5	3.5	6.5	
6	5.5	3.5	3.0	4.0	7.5	2.5	2.5	4.5	4.0	5.5	3.5	4.5	4.0	3.5	4.5	5.0	5.0	5.5	8.5	11.0	12.0	10.5	10.0	9.5	6.0	12.0	
7	9.5	5.0	3.0	5.0	4.0	3.5	3.5	2.0	2.0	3.0	3.5	4.0	4.0	3.5	4.5	14.0	15.0	11.0	11.5	8.5	5.5	12.0	12.0	11.0	15.0	15.0	
8	10.0	6.5	11.5	10.5	16.0	15.5	15.0	14.0	16.5	14.0	12.0	13.5	14.0	12.5	13.0	13.0	10.0	6.5	3.5	3.5	6.0	7.5	6.5	6.0	7.5	16.5	
9	10.0	10.5	4.0	5.0	3.0	4.5	4.0	1.5	3.5	3.0	4.0	5.0	5.0	4.0	2.5	2.5	3.5	2.5	6.5	6.0	4.5	3.0	3.5	5.0	4.5	10.5	
10	2.5	3.5	3.0	1.5	2.5	3.0	2.5	2.0	4.0	4.5	4.0	5.5	5.5	5.5	4.0	3.0	2.0	2.0	3.5	3.5	3.5	3.0	3.5	5.0	3.5	5.5	
11	6.0	7.5	7.5	7.0	3.0	3.0	3.0	3.0	2.5	2.5	3.5	5.5	5.0	5.0	3.0	2.5	5.5	8.5	8.5	5.5	6.0	4.0	7.5	5.5	5.0	8.5	
12	6.5	6.5	5.5	9.0	9.0	8.5	7.5	8.0	6.5	8.0	11.0	12.0	10.0	12.0	14.0	13.5	8.5	10.0	9.0	8.0	8.0	6.0	4.0	4.5	4.0	8.5	14.0
13	2.0	4.5	6.0	5.0	7.5	8.5	8.0	10.5	9.0	9.5	8.5	10.0	12.0	13.0	9.5	11.0	12.0	10.0	11.0	11.5	9.0	9.0	9.0	8.0	9.0	13.0	
14	7.0	5.0	4.0	4.5	4.5	4.0	6.0	7.5	8.0	8.5	5.5	6.0	6.5	6.5	5.0	5.0	4.0	4.5	4.5	6.0	6.5	6.0	4.0	3.0	5.5	8.5	
15	4.5	4.5	1.5	1.5	3.0	4.0	2.5	2.5	3.5	5.5	4.0	4.5	5.5	6.0	8.5	8.5	9.5	7.0	6.0	7.5	6.0	10.0	9.5	9.0	5.5	10.0	
16	9.0	5.5	6.5	5.5	5.0	5.5	7.5	6.0	6.0	6.0	5.5	7.5	7.0	5.0	4.5	5.5	5.0	4.0	3.0	3.0	5.0	8.0	7.5	5.0	6.0	9.0	
17	4.0	6.0	3.0	4.0	3.5	5.5	6.0	3.5	4.5	4.5	4.0	3.5	4.5	5.0	4.0	4.0	3.0	2.0	2.5	2.0	2.0	3.0	2.0	4.0	4.0	6.0	
18	6.5	4.5	2.5	4.0	4.0	4.5	6.5	3.0	2.5	3.5	4.0	4.5	4.5	5.5	5.0	5.0	2.0	2.0	4.0	2.0	3.0	1.5	2.5	4.5	3.5	6.5	
19	2.5	4.0	6.5	5.0	9.5	4.5	6.5	3.0	2.0	3.0	4.5	4.0	4.0	3.5	2.5	3.0	2.5	3.5	4.5	2.5	4.0	3.0	3.0	3.5	4.0	9.5	
20	5.5	5.0	4.5	9.5	7.0	3.0	3.5	3.0	3.5	4.0	4.0	5.5	6.0	6.0	6.5	6.0	5.5	3.0	4.0	5.0	10.5	8.5	5.0	5.0	5.5	10.5	
21	4.0	3.5	8.5	3.5	3.5	10.5	7.0	4.0	3.5	4.0	3.5	3.0	4.5	4.5	5.0	4.5	4.0	4.5	5.5	10.0	5.5	5.0	3.0	3.0	5.0	10.5	
22	6.5	8.0	8.0	7.5	6.5	3.5	5.5	3.5	4.5	3.5	4.5	3.5	3.0	3.5	7.5	5.0	4.0	6.0	7.5	5.0	8.0	5.0	4.5	3.0	5.5	8.0	
23	3.0	2.0	4.5	4.0	3.5	4.0	3.5	1.5	4.0	5.0	6.5	5.0	6.0	6.0	4.0	3.5	1.5	3.5	2.5	6.0	7.0	3.0	4.0	2.5	4.0	7.0	
24	3.0	3.5	2.5	2.0	2.0	3.5	3.5	5.5	6.0	4.0	2.5	3.0	2.5	5.0	2.5	2.5	2.5	6.0	5.5	5.5	5.0	4.5	3.5	6.0	4.0	6.0	
25	4.0	8.5	9.5	9.5	9.0	8.0	6.0	4.0	3.0	3.0	3.0	3.5	5.0	3.5	4.0	3.5	3.5	4.5	3.5	2.0	4.5	5.0	5.0	4.5	5.0	9.5	
26	6.0	3.0	4.0	8.5	4.0	2.0	4.5	6.0	4.5	3.0	3.0	3.5	7.0	5.0	4.5	4.0	3.5	4.5	3.5	4.5	3.5	4.0	5.5	4.5	4.5	8.5	
27	10.0	13.0	13.0	8.0	5.0	6.5	3.0	3.0	2.5	3.5	3.5	5.5	7.0	4.5	3.0	2.5	4.5	4.5	3.5	3.5	3.5	3.0	3.5	3.0	5.0	13.0	
28	4.5	2.5	2.5	4.0	4.5	3.0	3.0	4.5	4.0	3.5	4.5	3.5	3.5	4.0	4.0	4.0	3.5	4.0	4.0	3.5	3.5	4.0	3.5	3.0	4.0	6.0	
29	4.0	3.5	2.0	3.5	3.5	4.0	5.5	4.0	3.0	6.0	3.5	4.5	3.0	2.0	3.5	2.5	2.0	4.0	4.5	5.5	3.0	3.5	3.0	3.5	3.5	6.0	
30	4.0	4.0	5.5	6.0	6.5	7.5	8.5	11.5	9.0	5.0	7.5	8.5	10.5	8.0	7.5	8.5	9.5	6.0	6.5	11.5	13.0	11.5	12.0	9.5	8.0	13.0	
AV	5.0	5.0	5.0	5.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.5	6.0	5.5	5.5	5.0	5.0	5.5	5.5	6.0	5.0	5.5	5.0	5.5	11	
SD	2.5	2.5	3.0	3.0	3.0	3.0	2.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.0	11	

WIND SPEED (CROSS)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE

OFC. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	7.5	7.0	7.5	5.0	5.0	9.0	12.5	12.5	12.0	13.0	10.0	13.5	14.5	9.5	7.5	6.5	5.0	7.0	4.0	8.0	7.0	4.0	10.0	4.5	8.5	14.5
2	2.5	3.0	3.0	4.5	3.5	4.0	3.0	4.0	4.0	6.0	7.5	5.0	3.0	4.5	3.5	3.5	2.5	2.5	2.5	4.5	3.5	3.0	4.0	3.0	4.0	7.5
3	3.0	4.0	4.0	2.5	3.5	6.5	6.5	8.5	6.0	6.0	7.0	5.0	8.5	11.0	11.0	9.0	9.0	6.5	5.0	5.5	6.0	5.5	6.0	5.0	6.5	11.0
4	9.5	8.0	8.0	5.0	5.5	8.5	7.0	8.0	11.5	12.5	13.5	15.5	17.0	16.0	13.5	12.0	10.0	11.5	6.0	5.5	6.0	7.5	9.5	7.5	10.0	17.0
5	5.0	10.0	10.0	12.0	10.0	9.0	9.0	7.5	5.0	3.5	8.0	6.5	5.0	7.5	6.5	7.0	8.5	5.5	4.5	4.0	5.0	3.0	4.5	2.0	6.5	12.0
6	5.5	5.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	2.5	4.5	4.5	4.0	4.0	5.0	7.0	7.5	8.0	5.0	4.0	2.5	2.5	3.5	8.0
7	3.0	4.0	4.5	3.5	4.0	4.5	5.0	2.5	3.5	2.5	4.0	3.5	3.5	5.0	5.5	4.5	2.0	3.0	7.0	6.0	10.5	8.0	7.0	7.5	5.0	10.5
8	9.0	7.0	7.0	7.0	8.0	6.5	7.5	5.5	7.5	7.0	6.0	5.0	7.0	8.0	8.0	6.5	3.5	3.0	4.0	2.5	2.5	2.5	8.5	10.0	5.5	10.0
9	10.0	10.0	6.0	5.0	2.5	2.5	2.5	3.5	5.0	5.5	6.5	5.5	4.5	5.0	4.5	2.5	2.5	4.0	5.0	9.0	9.0	7.5	3.0	9.0	5.5	10.0
10	5.0	3.5	3.0	2.5	3.5	3.5	4.0	4.0	3.0	2.5	2.5	3.5	5.5	5.0	4.5	3.5	3.5	3.5	2.0	3.0	2.5	2.5	4.5	5.5	3.5	5.5
11	6.5	5.0	4.5	2.5	2.5	4.0	4.0	4.0	3.0	2.5	2.5	3.5	5.5	4.5	3.0	3.5	4.5	3.5	2.0	3.0	2.5	5.5	5.5	5.0	4.0	6.5
12	3.0	3.0	2.0	2.5	2.0	2.0	2.0	2.0	2.5	3.0	3.0	3.0	4.0	4.0	3.0	3.0	3.0	4.5	3.0	3.5	2.0	2.0	3.0	4.5	3.0	4.5
13	3.0	2.5	3.0	3.5	3.5	3.5	3.5	3.0	2.5	3.0	3.5	3.0	3.0	3.5	3.5	3.5	3.5	2.5	5.5	2.5	2.5	2.5	2.5	1.5	3.0	5.5
14	2.0	4.5	5.0	6.0	2.5	3.0	6.5	3.5	2.5	4.0	4.5	4.0	4.0	3.5	4.0	6.5	6.0	4.5	3.0	3.5	4.0	5.5	4.0	4.5	4.0	6.5
15	5.5	6.5	6.0	6.0	7.0	3.0	4.0	4.0	6.5	6.0	5.5	5.0	5.0	2.5	3.5	4.0	3.5	7.0	7.5	2.0	3.5	4.5	5.0	4.0	5.0	7.5
16	5.0	2.5	4.0	2.5	2.5	3.5	2.5	4.5	4.0	2.5	4.0	3.0	3.0	4.5	5.0	4.0	5.0	4.5	3.0	2.5	2.0	2.0	3.0	4.5	3.5	5.0
17	2.5	6.0	4.5	4.0	2.0	4.0	4.0	3.5	2.5	3.0	2.5	3.5	4.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	6.5
18	3.5	3.5	2.5	2.0	2.5	3.0	2.5	4.0	3.0	4.5	3.0	4.5	4.0	5.0	5.5	5.5	3.5	3.5	4.0	3.0	3.0	2.0	2.0	4.5	4.0	5.5
19	2.0	4.5	4.0	3.0	2.5	3.0	4.0	2.5	5.0	2.0	4.0	6.0	3.5	4.0	4.5	3.0	3.5	3.5	4.0	3.0	2.5	2.5	3.5	2.5	3.5	6.0
20	2.0	2.5	3.0	3.0	2.0	7.5	4.0	2.5	3.0	3.0	3.5	4.5	3.5	3.0	4.0	5.0	5.0	3.5	2.5	3.0	4.0	3.5	2.0	2.0	3.5	7.5
21	2.5	5.5	8.5	2.5	4.0	3.0	5.5	4.5	4.5	4.0	3.0	3.5	4.0	3.5	3.5	2.5	2.5	2.5	5.5	9.5	7.0	7.5	8.5	5.0	4.4	9.5
22	3.5	3.5	5.0	5.0	9.0	9.5	5.5	5.0	8.5	5.0	5.0	4.5	3.5	4.0	11.0	10.0	10.0	10.0	9.5	6.5	6.5	7.0	13.0	7.0	7.0	13.0
23	2.5	4.0	5.5	4.5	7.5	6.5	6.0	7.5	8.5	6.0	10.5	11.5	6.5	7.5	6.5	6.0	3.5	4.0	5.5	5.0	4.5	5.5	8.0	7.5	6.5	11.5
24	3.5	3.0	3.5	4.5	5.0	3.0	3.5	4.5	3.5	3.0	3.0	5.0	5.5	4.5	4.0	3.0	4.0	2.5	3.0	4.0	3.0	3.0	4.5	3.0	4.0	10.0
25	3.0	3.0	3.5	4.0	5.0	5.0	5.5	5.5	3.5	3.0	3.5	4.0	3.5	5.0	6.0	4.0	4.0	5.0	3.0	4.0	3.0	3.0	4.5	3.0	4.0	10.0
26	6.5	11.5	10.5	11.0	5.0	4.0	3.5	3.5	4.5	4.5	3.5	4.0	4.0	3.0	3.5	3.5	2.5	4.5	3.5	4.5	5.5	5.0	5.0	5.0	5.0	11.5
27	3.5	2.5	2.5	2.5	3.5	2.0	1.5	2.0	3.0	2.5	3.5	3.0	3.0	4.5	4.0	2.5	4.0	3.5	3.0	2.0	3.0	3.5	4.5	3.0	3.0	4.5
28	3.0	4.0	4.0	2.5	3.5	3.0	3.0	3.0	3.0	4.0	2.5	4.0	6.5	6.0	4.5	5.5	3.5	3.5	3.0	3.0	3.5	2.0	2.5	2.5	3.5	4.5
29	2.5	2.0	2.0	2.5	2.5	3.5	6.0	3.0	3.0	3.0	3.0	4.0	4.5	5.0	3.0	2.0	1.0	2.0	3.0	3.5	4.5	4.0	3.5	3.5	3.5	4.5
30	3.0	3.0	4.5	3.0	2.5	2.5	2.0	3.0	2.5	3.0	3.0	4.0	5.0	4.5	5.5	5.5	5.5	5.0	3.0	3.5	3.5	3.0	3.0	4.5	3.5	5.5
31	7.0	4.5	4.0	3.0	3.0	3.5	2.5	3.0	3.5	3.5	3.5	4.5	3.5	3.0	5.5	4.5	1.5	1.5	4.0	2.5	2.5	3.5	3.5	3.5	3.5	7.0
AV	4.5	5.0	5.0	4.5	4.0	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.5	5.5	5.0	4.5	4.5	4.5	4.5	4.5	4.5	5.0	4.5	4.5	4.5
SD	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	1.5	1.5

WIND DIRECTION (CC#02)

DEGREES

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 4

JAN, 1980

AEROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	130	170	225	165	145	85	305	220	210	280	90	295	310	280	305	300	(VA)	275	255	260	280	280	250	140	113	
2	280	85	15	110	105	320	275	325	30	15	0	0	325	305	10	55	315	260	355	250	295	310	210	0	1	
3	5	(VA)	185	130	135	130	135	90	(VA)	50	40	30	315	305	320	(VA)	270	260	300	(VA)	35	(VA)	235	(VA)	(VA)	
4	235	285	230	(VA)	45	(VA)	320	160	75	310	55	50	45	330	290	300	290	250	260	260	(VA)	155	255	19		
5	(VA)	75	105	115	155	(VA)	(VA)	100	60	(VA)	25	300	250	335	45	(VA)	90	(VA)	260	280	(VA)	(VA)	245	285	5	
6	205	215	240	265	(VA)	(VA)	270	75	245	270	270	280	275	330	20	25	15	310	310	230	230	250	255	95	12	
7	65	220	(VA)	245	(VA)	(VA)	155	(VA)	240	(VA)	140	255	260	265	265	305	195	205	225	115	120	155	(VA)	(VA)	12	
8	235	240	230	245	250	180	(VA)	250	220	250	255	265	270	285	310	85	260	235	195	185	205	190	195	195	11	
9	195	205	210	205	210	220	205	195	200	175	170	165	175	170	165	190	180	220	180	175	165	165	175	160	9	
10	170	190	195	195	200	195	190	190	200	200	205	215	225	260	270	275	280	280	270	275	270	265	215	220	10	
11	145	150	140	140	150	160	145	260	130	250	290	335	100	(VA)	290	270	60	0	100	285	295	270	275	235	(VA)	
12	(VA)	(VA)	(VA)	230	(VA)	240	285	245	355	270	80	285	265	45	330	290	120	295	(VA)	205	130	260	260	160	13	
13	260	260	90	(VA)	160	250	(VA)	230	(VA)	95	(VA)	255	280	285	40	205	165	170	200	195	175	175	180	200	9	
14	185	170	170	165	160	160	170	200	260	245	135	130	115	130	135	160	235	185	(VA)	225	135	250	230	245	(VA)	
15	180	160	140	140	120	155	225	275	260	220	120	140	280	260	45	110	105	180	255	(VA)	260	160	280	60	(VA)	
16	25	210	305	250	135	140	140	225	(VA)	120	280	285	330	320	320	345	315	285	230	265	280	300	305	300	14	
17	285	120	135	130	135	(VA)	210	240	(VA)	325	105	70	290	300	275	345	35	35	345	255	40	255	260	(VA)	14	
18	215	95	95	35	10	260	(VA)	(VA)	270	265	(VA)	280	15	300	280	275	270	270	270	25	70	90	95	90	13	
19	85	65	60	65	70	75	70	65	65	55	65	60	60	50	45	45	40	20	80	75	80	75	70	55	4	
20	85	115	105	135	145	145	145	145	135	150	290	320	300	265	310	300	290	290	260	240	255	260	175	115	47	
21	(VA)	(VA)	245	315	305	45	40	90	290	290	275	20	195	315	(VA)	320	285	285	290	295	305	295	300	305	14	
22	325	315	290	295	315	5	65	60	100	110	50	55	315	310	10	315	(VA)	25	255	125	135	180	(VA)	150	15	
23	175	(VA)	(VA)	(VA)	310	(VA)	(VA)	290	(VA)	10	335	315	290	300	305	270	295	275	280	220	(VA)	145	260	40	15	
24	(VA)	(VA)	205	235	270	50	115	155	270	15	180	305	275	270	295	270	265	305	290	310	(VA)	270	300	130	13	
25	225	235	80	45	(VA)	(VA)	335	(VA)	125	285	320	300	310	100	35	275	285	265	195	70	65	105	75	45	8	
26	285	260	260	255	225	240	250	265	245	(VA)	285	305	305	325	355	20	340	5	50	300	265	230	190	240	13	
27	255	150	260	260	245	(VA)	(VA)	105	220	255	270	270	275	265	295	40	20	270	260	245	270	260	245	70	13	
28	75	55	40	270	260	265	265	250	265	265	280	270	300	20	40	330	280	(VA)	(VA)	(VA)	320	255	250	245	(VA)	
29	345	260	260	100	(VA)	250	300	35	35	35	285	275	285	280	310	300	180	(VA)	(VA)	(VA)	95	245	265	285	13	
30	30	75	145	190	(VA)	150	85	130	(VA)	60	285	280	295	240	100	30	60	0	30	255	45	260	(VA)	150	54	
31	(VA)	(VA)	245	260	120	140	285	225	165	270	350	275	255	(VA)	280	320	245	220	245	250	205	270	225	(VA)	12	
PV	11	11	13	12	7	6	14	12	12	13	13	14	13	15	15	15	14	14	13	12	13	13	12	12	(VA)	13

ABOUT (21 JAN 81)

WIND DIRECTION [CC102]

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT 10 METERS

JAN. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	S	SW	SSE	SE	E	NW	SW	SSW	W	E	WNW	NW	W	NW	WNW	(VA)	W	WSW	W	W	WSW	SE	W	
2	N	E	NNE	ESE	ESE	NW	W	NW	NNE	NNE	N	N	NW	N	N	N	N	N	N	N	N	N	N	N	
3	N	(VA)	S	SE	SE	SE	SE	E	(VA)	NE	NE	NE	NW	NW	NW	(VA)	W	W	W	W	W	W	W	W	
4	SW	NW	SW	(VA)	NE	(VA)	NW	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
5	(VA)	ENE	ESE	ESE	SSE	(VA)	(VA)	E	E	(VA)	NNE	NW	WSW	NW	W	W	W	W	W	W	W	W	W	W	
6	SSW	SW	SW	(VA)	(VA)	(VA)	(VA)	ENE	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
7	ENE	SW	(VA)	WSW	(VA)	(VA)	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
8	SW	WSW	SW	WSW	WSW	S	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
9	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	
10	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
11	SE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
12	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	
13	N	W	W	E	(VA)	WSW	WNW	WSW	N	W	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
14	S	S	S	SSE	SSE	SSE	S	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
15	S	SSE	SE	SE	ESE	SSE	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
16	NNE	SSW	NW	WSW	SE	SE	SE	SW	(VA)	ESE	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
17	WNW	ESE	SE	SE	SE	(VA)	SSW	WSW	(VA)	NW	ESE	ENE	WNW	WNW	W	W	W	W	W	W	W	W	W	W	
18	SW	E	E	ENE	ENE	ENE	ENE	(VA)	N	W	(VA)	N	NNE	WNW	W	W	W	W	W	W	W	W	W	W	
19	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
20	E	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
21	(VA)	(VA)	WSW	NW	NW	NE	NE	E	WNW	WNW	W	NNE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
22	NW	NW	WNW	WNW	NW	N	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
23	S	(VA)	(VA)	(VA)	NW	(VA)	(VA)	WNW	(VA)	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
24	(VA)	(VA)	SSW	SW	W	NE	ESE	SSE	W	W	NNE	S	NW	W	W	W	W	W	W	W	W	W	W	W	
25	SW	SW	E	NE	(VA)	(VA)	WNW	(VA)	SE	WNW	NW	WNW	NW	E	NE	W	W	W	W	W	W	W	W	W	
26	WNW	W	W	WSW	WSW	WSW	WSW	W	WSW	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
27	WSW	SSE	W	W	WSW	(VA)	(VA)	ESE	SW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
28	ENE	NE	NE	W	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
29	NW	W	W	(VA)	WSW	WNW	WNW	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
30	NNE	ENE	SE	S	(VA)	SSE	E	SE	(VA)	ENE	WNW	W	WNW	WSW	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
31	(VA)	(VA)	WSW	W	ESE	SE	WNW	SW	SSE	W	N	W	WSW	(VA)	W	NW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	
PV	SW	SW	W	WSW	SE	SSE	WNW	WSW	W	W	WNW	W	NW	NW	NW	NW	WNW	WNW	W	WSW	W	W	WSW	W	

WIND DIRECTION (CC102)

DEGREES

LEVEL HEIGHT # 10 METERS

WHITE RIVER SHALE PROJECT #139

ROMANZA, UTAH

SITE # 4

FEB, 1980

AEROVIRONMENT INC.

* FTJAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	210	145	285	210	(VA)	250	(VA)	290	250	315	(VA)	315	295	285	280	275	295	100	160	265	(VA)	145	140	260	14
2	240	205	320	265	135	255	30	(VA)	105	(VA)	60	270	325	320	35	10	270	255	175	160	(VA)	(VA)	215	(VA)	13
3	(VA)	225	(VA)	125	(VA)	(VA)	230	100	(VA)	340	(VA)	295	285	20	350	280	270	265	220	180	175	(VA)	(VA)	(VA)	13
4	95	155	260	(VA)	235	250	(VA)	10	(VA)	(VA)	65	335	300	275	285	0	345	(VA)	210	200	95	(VA)	(VA)	(VA)	(VA)
5	(VA)	(VA)	205	165	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	20	260	280	265	0	315	260	250	200	100	200	115	250	155	13
6	225	(VA)	230	(VA)	100	220	80	75	65	(VA)	285	275	325	355	295	280	265	295	280	(VA)	50	265	110	115	14
7	170	250	15	275	275	230	255	265	270	290	265	280	300	265	0	55	60	55	55	55	70	65	90	80	13
8	75	60	115	125	140	120	115	130	125	230	295	280	290	295	295	300	300	280	85	135	125	115	120	135	13
9	245	140	230	(VA)	(VA)	115	115	60	50	10	10	275	285	275	300	345	285	265	260	270	270	240	200	115	13
10	195	155	340	(VA)	120	(VA)	295	265	230	280	355	340	45	355	280	270	265	(VA)	275	(VA)	280	(VA)	220	145	13
11	170	220	(VA)	(VA)	(VA)	345	285	310	(VA)	(VA)	350	290	280	320	280	275	275	230	40	255	260	220	145	115	13
12	(VA)	(VA)	190	40	190	(VA)	(VA)	210	(VA)	(VA)	350	310	50	285	285	275	270	(VA)	(VA)	(VA)	325	240	(VA)	(VA)	14
13	255	155	230	(VA)	(VA)	(VA)	220	130	265	295	290	295	25	340	0	95	300	105	145	300	280	(VA)	260	230	13
14	295	235	260	(VA)	295	(VA)	120	125	260	280	0	355	290	290	285	310	310	280	245	125	250	(VA)	250	260	13
15	190	(VA)	(VA)	260	255	250	200	310	265	(VA)	(VA)	10	310	30	320	315	270	265	230	(VA)	270	185	155	95	13
16	(VA)	195	260	(VA)	265	(VA)	40	190	245	265	145	260	300	310	295	10	275	5	115	145	280	245	260	95	13
17	100	60	285	(VA)	315	250	90	285	260	320	(VA)	295	285	295	50	70	25	250	115	260	255	215	210	(VA)	14
18	190	180	170	160	190	230	255	(VA)	100	185	175	200	210	275	280	240	145	125	145	210	235	220	210	150	10
19	195	190	275	205	140	145	175	185	120	50	205	205	215	205	195	170	165	170	190	80	180	215	230	265	10
20	(VA)	115	155	175	175	180	165	230	225	195	205	170	175	235	215	235	280	300	215	175	195	210	220	200	9
21	220	265	250	240	160	140	185	160	160	190	195	200	195	195	175	170	215	265	255	255	295	295	45	(VA)	10
22	160	(VA)	(VA)	240	275	165	115	250	255	270	285	275	270	285	290	290	290	290	250	115	135	150	240	250	(VA)
23	145	125	215	235	200	75	85	210	250	270	275	270	285	315	315	300	325	70	50	55	100	145	165	130	(VA)
24	180	235	230	215	150	160	225	(VA)	225	295	10	300	300	290	295	310	300	20	285	235	175	175	195	210	(VA)
25	245	(VA)	(VA)	(VA)	235	(VA)	115	(VA)	120	(VA)	245	315	310	310	300	280	320	290	265	225	(VA)	230	230	115	15
26	(VA)	140	235	145	(VA)	230	(VA)	140	(VA)	275	245	300	305	340	295	280	350	335	255	285	260	200	235	13	
27	265	105	140	135	265	(VA)	150	(VA)	45	300	35	290	295	285	280	275	275	265	255	160	255	160	140	13	
28	175	120	190	115	175	215	220	135	115	200	295	280	290	295	45	315	275	155	265	270	195	150	225	14	
29	260	270	145	155	230	230	210	260	255	205	270	280	315	15	310	30	0	25	25	70	90	40	75	75	13
PV	9	7	11	7	9	11	(VA)	(VA)	12	14	14	14	14	14	14	13	14	13	12	12	13	11	11	6	13

WIND DIRECTION ICC102)

WHITE RIVER SHALE PROJECT, #119

ROMANZA, UTAH

SITE #

LEVEL HEIGHT 10 METERS

FEB. 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSW	SE	WNW	SSW	(VA)	WSW	(VA)	WNW	WSW	NW	(VA)	NW	WNW	WNW	W	W	W	E	SSE	W	(VA)	SE	S	W	WNW
2	WSW	SSW	NW	SE	(VA)	WSW	NNE	(VA)	ESE	(VA)	ENE	W	NW	NW	NE	N	W	WSW	S	SSE	(VA)	SE	S	W	WNW
3	(VA)	SW	(VA)	SE	(VA)	SW	E	(VA)	NW	(VA)	ENE	WNW	WNW	NNE	N	W	W	WSW	S	SW	(VA)	SE	S	W	WNW
4	E	SSE	W	(VA)	SW	WSW	(VA)	N	(VA)	(VA)	ENE	WNW	WNW	W	WNW	N	WNW	(VA)	(VA)	(VA)	SSW	E	(VA)	(VA)	(VA)
5	(VA)	(VA)	SSW	SSE	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	NNE	W	W	WNW	N	NW	W	WSW	SSW	E	WSW	ESE	WSW	SSE	W
6	SW	(VA)	SW	(VA)	W	SW	E	ENE	ENE	(VA)	WNW	W	NW	N	W	W	W	WSW	SSW	(VA)	NE	W	ESE	ESE	WNW
7	S	WSW	NNE	W	SW	WSW	W	W	WSW	W	WNW	W	WNW	W	N	W	W	ENE	NE	NE	ENE	ENE	E	E	W
8	ENE	ENE	ESE	SE	SE	ESE	ESE	SE	SE	SW	WNW	W	WNW	WNW	W	W	W	ENE	NE	SE	ESE	ESE	SE	SE	W
9	WSW	SE	SW	(VA)	(VA)	ESE	ESE	ENE	ENE	N	N	W	WNW	WNW	W	W	W	WSW	SSW	W	W	WSW	SSW	ESE	W
10	SSW	SSE	WNW	(VA)	ESE	(VA)	WNW	W	SW	W	N	NW	NE	N	W	W	W	(VA)	(VA)	W	W	(VA)	SE	SE	W
11	S	SW	(VA)	(VA)	(VA)	NW	WNW	NW	(VA)	(VA)	N	WNW	W	W	W	W	W	WSW	NE	WSW	W	SW	SE	ESE	W
12	(VA)	(VA)	S	NE	S	(VA)	(VA)	SSW	(VA)	N	N	NW	NE	N	W	W	W	WSW	NE	WSW	W	SW	SE	ESE	W
13	WSW	SSE	SW	(VA)	(VA)	SW	SE	SE	W	WNW	WNW	N	NE	WNW	N	NE	WNW	(VA)	(VA)	NW	WSW	(VA)	(VA)	WNW	W
14	WNW	SW	W	(VA)	WNW	(VA)	ESE	SE	W	W	N	N	WNW	WNW	NW	NW	W	WSW	SE	WNW	(VA)	W	SW	W	W
15	S	(VA)	(VA)	W	WSW	WSW	SSW	NW	W	W	(VA)	N	NW	WNW	NW	NW	W	WSW	SE	WSW	(VA)	WSP	W	W	W
16	(VA)	SSW	W	(VA)	W	(VA)	NE	S	WSW	W	(VA)	N	WNW	WNW	N	N	W	ENE	SE	W	W	S	SSE	E	W
17	E	ENE	WNW	(VA)	NW	WSW	E	WNW	W	NW	(VA)	WNW	WNW	WNW	NE	ENE	NNE	WSW	FSE	W	WSW	SW	SSW	E	W
18	S	S	S	S	S	SW	WSW	(VA)	E	S	S	SSW	SSW	W	W	WSW	SE	SE	SE	W	WSW	SW	SSW	E	W
19	SSW	S	W	SSW	SE	SE	S	S	ESE	NE	SSW	S	S	SSW	S	S	W	WSW	FSE	W	WSW	SW	SSW	E	W
20	(VA)	ESE	SSE	S	S	SSE	SW	S	SW	SSW	SSW	S	S	SSW	S	S	W	WSW	SSW	SSW	S	SSW	SSW	E	W
21	SW	W	WSW	WSW	SSW	SE	SE	SSE	SSE	W	WNW	W	W	WNW	W	W	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	S
22	SSE	(VA)	(VA)	WSW	W	SSE	ESE	WSW	WSW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
23	SE	SE	SW	SW	SSW	ENE	E	SSW	WSW	W	W	W	W	WNW	NW	NW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
24	S	SW	SW	SW	SSE	SSE	SW	(VA)	SW	WNW	N	WNW	WNW	WNW	NW	NW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
25	WSW	(VA)	(VA)	(VA)	SW	(VA)	ESE	(VA)	ESE	(VA)	WNW	NW	WNW	WNW	WNW	WNW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
26	(VA)	SE	SW	SE	(VA)	SW	(VA)	SE	(VA)	W	WNW	WNW	WNW	WNW	WNW	W	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
27	W	ESE	SE	SE	W	(VA)	SSE	(VA)	E	WNW	NE	WNW	WNW	WNW	W	W	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
28	S	FSE	S	ESE	S	SW	SW	SE	ESE	SSW	WNW	W	WNW	WNW	NE	NW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W
29	W	W	SE	SSE	SW	SW	SSW	W	WSW	SSW	W	W	NW	NNE	NW	NNE	NNE	ENE	E	ENE	E	E	E	E	W
PV	S	SE	SW	SE	S	SW	(VA)	(VA)	WSW	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	W

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #
 MAR. 1980
 AEROSPIRMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	85	75	85	80	90	80	100	115	(VA)	290	290	295	285	285	290	310	345	30	25	315	300	110	140	155	(VA)
2	195	135	150	270	120	220	(VA)	280	275	145	275	10	345	300	290	295	275	240	250	210	235	65	150	265	13
3	225	225	(VA)	205	260	275	(VA)	295	265	55	90	205	195	170	195	205	245	230	185	210	200	195	215	220	10
4	225	245	170	225	235	200	165	100	100	290	210	285	290	290	280	290	285	275	270	260	245	245	245	210	13
5	180	215	220	220	200	180	175	185	190	210	225	205	210	190	190	190	200	175	175	180	195	195	165	10	(VA)
6	175	265	180	340	75	170	220	180	115	200	235	245	250	280	280	260	205	105	65	45	75	55	25	125	(VA)
7	240	260	260	240	165	135	140	135	140	135	260	270	275	270	260	260	255	260	240	235	235	235	240	240	12
8	235	230	240	165	135	140	135	140	135	260	270	275	270	260	260	255	260	240	235	235	235	235	240	240	12
9	180	180	175	185	150	135	125	125	125	165	280	305	305	300	275	285	305	290	205	160	135	115	145	185	(VA)
10	(VA)	(VA)	130	190	(VA)	230	60	165	55	75	80	45	40	65	300	175	190	165	160	160	185	195	160	160	A
11	170	255	265	260	265	265	265	270	265	265	265	275	270	270	285	270	280	290	300	340	50	120	185	140	13
12	170	255	265	260	265	265	265	270	265	265	265	275	270	270	285	270	280	290	300	340	50	120	185	140	13
13	140	150	240	125	125	(VA)	305	(VA)	75	25	0	305	275	290	300	290	305	280	225	195	205	205	195	180	(VA)
14	115	250	220	100	210	20	140	110	15	(VA)	210	265	295	300	235	190	185	210	210	170	165	205	165	185	10
15	180	170	180	185	190	195	200	210	280	330	325	315	335	355	345	350	330	350	245	250	(VA)	265	280	280	11
16	280	285	280	275	345	290	320	55	20	330	325	315	335	355	345	350	330	350	10	10	10	20	120	145	16
17	175	205	70	145	135	115	135	(VA)	280	45	5	230	200	215	205	220	185	160	160	165	165	165	190	205	A
18	210	225	235	180	170	130	260	275	285	280	300	290	295	285	290	305	300	300	310	250	255	150	140	165	14
19	185	260	155	185	130	135	140	130	70	285	255	265	255	285	285	285	285	300	295	300	350	5	65	85	14
20	80	110	145	175	180	135	135	120	(VA)	50	0	265	225	210	290	285	175	165	160	165	160	160	145	220	A
21	135	165	185	185	170	185	170	95	185	195	185	180	180	185	215	235	280	310	305	35	60	140	125	125	9
22	120	125	100	80	260	(VA)	90	(VA)	355	290	355	65	70	65	65	75	75	65	80	95	20	45	90	175	4
23	110	(VA)	165	205	160	180	100	135	125	95	70	55	315	260	275	315	275	310	75	135	230	270	280	125	7
24	125	(VA)	100	80	(VA)	115	105	80	85	110	110	185	185	190	180	180	155	150	155	250	300	295	175	175	9
25	300	305	305	310	310	310	310	275	260	135	85	270	290	310	60	270	330	325	25	90	145	275	250	140	15
26	130	135	250	220	205	180	175	(VA)	(VA)	325	315	295	240	(VA)	255	230	105	75	190	170	160	145	140	135	7
27	140	135	235	135	145	110	135	120	255	315	310	300	290	290	310	300	280	280	275	270	255	260	270	280	13
28	295	55	300	285	250	260	(VA)	315	270	270	10	15	20	25	30	15	30	35	40	35	45	90	80	90	2
29	100	80	0	290	260	250	255	(VA)	(VA)	270	315	330	295	330	310	95	40	135	135	110	145	135	185	185	(VA)
30	170	145	140	145	(VA)	190	65	285	45	40	30	195	240	270	270	270	280	180	130	140	125	210	230	210	(VA)
31	215	105	180	55	55	65	195	245	270	305	280	315	275	285	235	215	(VA)	(VA)	215	90	215	165	150	135	11
PV	9	(VA)	9	9	9	9	7	7	13	14	15	14	13	14	14	14	13	14	(VA)	10	(VA)	10	7	9	13

ABOUT [21 JAN 81]

WIND DIRECTION [CC802]

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 4

MAR. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ENE	E	E	E	E	ESE	[VA]	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNE	NW	MNW	ESE	SE	SSE	[VA]	
2	SSW	SE	SSE	W	ESE	SW	W	W	SE	W	W	N	NNW	MNW	MNW	MNW	W	WSW	NNE	NW	ENE	SE	SSE	W	
3	SW	SW	[VA]	SSW	W	W	[VA]	MNW	W	NE	E	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
4	SW	SW	SSW	SSW	SSW	SSW	E	E	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
5	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
6	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
7	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
8	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
9	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
10	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
11	[VA]	[VA]	SE	SSW	[VA]	SSW	ENE	SSE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SSE	SSW	SSW	SSE	SSE	SSE	[VA]	
12	SSW	SSE	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
13	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
14	ESE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
15	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
16	W	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
17	SSW	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
18	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
19	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
20	E	ESE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
21	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
22	ESE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
23	ESE	[VA]	SSE	SSE	E	W	[VA]	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
24	SSW	[VA]	E	E	[VA]	ESE	ESE	W	E	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W		
25	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	
26	SE	SE	SSW	SSW	SSW	SSW	[VA]	[VA]	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	
27	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
28	MNW	NE	MNW	MNW	MNW	MNW	[VA]	[VA]	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	
29	E	E	W	MNW	W	WSW	[VA]	[VA]	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	
30	SSW	SE	SE	[VA]	SSW	SSW	ENE	MNW	NE	NE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
31	SSW	ESE	SSW	ENE	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
PV	SSW	[VA]	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	

WIND DIRECTION ICC1021

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

APR, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	135	135	140	105	175	125	45	30	40	40	60	15	245	240	325	85	30	345	35	70	60	55	55	85	3
2	70	75	325	315	315	270	265	270	285	295	295	290	285	300	285	280	315	355	340	350	35	160	165	145	14
3	85	140	145	150	125	145	150	145	110	90	65	300	(VA)	310	105	55	140	235	250	195	120	145	160	175	7
4	210	130	170	225	190	230	125	290	205	305	290	265	295	(VA)	285	180	180	175	170	165	160	145	105	135	9
5	95	115	130	(VA)	295	105	255	(VA)	100	140	250	220	230	220	240	250	250	245	260	255	135	130	195	210	12
6	260	250	250	245	235	215	225	235	240	245	270	270	260	285	280	275	270	270	275	280	225	140	165	255	12
7	270	280	305	330	235	270	270	285	275	270	280	275	270	295	285	275	260	275	275	275	290	160	160	195	14
8	140	145	165	180	155	165	205	290	295	330	330	280	285	255	295	285	10	115	60	110	150	155	160	125	4
9	155	175	265	50	135	165	120	(VA)	330	265	20	300	290	245	245	235	245	230	245	175	175	220	200	235	12
10	230	230	235	250	260	260	260	275	290	280	285	280	285	285	285	280	285	285	275	270	315	65	90	70	13
11	75	110	80	105	45	35	35	70	40	45	50	45	35	35	40	40	40	40	30	35	50	45	20	80	3
12	20	10	40	330	135	270	155	260	50	25	45	40	15	350	30	15	40	40	35	40	30	35	30	0	2
13	65	50	175	250	255	260	285	330	285	310	305	(VA)	325	325	285	305	330	70	85	90	145	140	135	15	
14	130	195	190	135	55	85	85	120	25	335	15	25	345	285	310	310	305	300	35	110	135	145	180	135	7
15	210	(VA)	95	(VA)	105	115	100	105	320	305	295	280	270	275	270	260	275	290	280	275	265	265	250	255	13
16	165	125	145	150	150	60	135	125	90	45	15	330	305	310	325	350	20	5	50	105	150	145	145	150	7
17	140	235	140	(VA)	(VA)	95	80	60	40	330	305	290	265	330	330	300	0	0	5	70	125	125	155	145	15
18	155	150	185	(VA)	145	115	75	60	340	300	300	310	300	320	295	255	260	245	230	225	180	140	145	145	(VA)
19	165	170	110	60	115	65	145	55	30	315	290	245	285	310	245	(VA)	195	240	245	190	150	140	135	140	7
20	225	205	110	105	(VA)	305	(VA)	70	275	35	55	315	230	205	240	235	230	230	200	155	130	140	140	155	11
21	185	160	175	145	155	125	120	125	190	185	130	130	155	280	205	115	45	170	235	245	(VA)	90	140	175	7
22	255	150	(VA)	215	210	170	140	(VA)	355	320	325	320	305	5	35	25	60	70	70	140	90	45	40	105	5
23	170	115	125	140	150	170	(VA)	300	290	310	305	300	240	245	275	285	240	320	20	85	150	230	205	130	14
24	145	(VA)	165	185	165	215	185	280	295	305	330	25	355	350	335	5	20	330	5	50	65	50	70	95	1
25	70	85	95	115	70	40	90	0	25	50	55	25	35	25	40	25	35	25	40	55	70	65	70	80	3
26	65	95	170	105	135	130	100	105	45	55	40	45	5	65	(VA)	80	60	(VA)	45	85	120	145	110	100	5
27	115	145	145	200	220	95	105	325	275	30	50	50	320	20	0	310	330	315	345	305	200	170	165	215	15
28	175	170	150	110	140	115	(VA)	35	340	345	295	(VA)	280	200	145	160	235	240	130	145	150	200	205	7	
29	190	55	240	225	145	(VA)	110	(VA)	290	300	310	180	125	125	140	195	210	240	260	325	20	85	100	115	7
30	185	260	325	70	290	200	90	(VA)	120	45	5	310	95	335	5	310	285	240	175	175	140	115	125	130	15
PV	9	7	7	6	7	7	5	14	14	15	14	14	14	14	14	13	(VA)	12	3	(VA)	7	7	7	7	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #119
BONANZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

APR. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	SE	ESE	S	SE	NE	NNE	NE	ENE	NNE	WSW	WSW	WNW	WNW	E	NNE	WNW	NE	ENE	ENE	NE	NE	E	NE
2	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
3	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
4	SSW	SE	S	SW	S	SW	SE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
6	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
10	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
11	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
12	NNE	N	NE	NNE	SE	W	SSE	W	NNE	W	NNE	W	NNE	W	NNE	W	NNE	W	NNE	W	NNE	W	NNE	W	NNE
13	ENE	NE	S	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW
14	SE	SSW	S	SE	NE	E	ESE	NNE	NNW	NNE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SSW	(VA)	E	(VA)	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
16	SE	SW	SE	(VA)	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
17	SE	SW	SE	(VA)	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
18	SE	SW	SE	(VA)	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
19	SE	SW	SE	(VA)	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	SW	SSW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	S	SSE	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	WSW	SSE	(VA)	SW	SSW	S	SE	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
23	S	FSE	SE	SE	SE	S	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
24	SE	(VA)	SSE	S	SSE	SW	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	ENE	E	E	ESE	ENE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
26	ENE	E	S	ESE	SE	E	ESE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
27	ESE	SE	SE	SSW	SW	E	ESE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
28	S	SSE	ESE	SE	ESE	(VA)	ENE	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
29	S	NE	WSW	SW	SE	(VA)	ESE	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
30	S	W	NN	ENE	NNW	SSW	E	(VA)	ESE	NE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PV	S	SE	SE	ESE	SE	SE	F	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW

ABOUT (29 JAN 81)

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #4
MAY, 1960
AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	140	165	135	140	135	150	155	35	50	50	45	55	55	60	200	250	285	235	195	315	105	175	205	160	8
2	135	165	175	130	140	205	85	300	320	300	285	(VA)	100	160	150	185	205	215	200	140	130	125	135	130	7
3	90	165	50	95	140	165	245	45	35	350	305	290	310	295	325	340	65	100	175	145	135	175	(VA)	105	(VA)
4	255	135	180	245	150	180	285	310	(VA)	275	345	285	300	320	310	20	340	100	100	85	195	300	80	140	14
5	150	70	260	280	145	150	125	95	55	45	345	310	285	275	290	20	35	70	155	190	135	210	(VA)	225	4
6	90	(VA)	140	135	145	200	150	95	105	65	275	300	355	205	165	140	110	140	155	175	220	200	160	160	7
7	180	145	160	180	135	85	95	45	300	285	255	145	135	110	90	65	350	240	(VA)	100	100	70	100	110	5
8	135	165	150	160	170	200	200	195	200	205	265	125	10	65	295	290	250	215	185	210	205	175	145	160	10
9	180	220	170	230	215	70	295	40	205	230	215	180	185	180	205	250	300	335	25	25	240	265	135	11	8
10	165	70	140	185	235	290	90	65	45	195	185	190	175	165	180	180	200	195	260	275	270	(VA)	130	125	9
11	130	(VA)	275	240	260	275	270	230	10	55	290	250	230	140	95	215	130	(VA)	5	95	130	170	240	220	13
12	190	160	190	180	180	180	225	170	185	225	200	220	230	235	250	235	285	5	(VA)	100	155	120	115	165	9
13	115	165	100	190	(VA)	115	245	(VA)	325	325	335	305	265	240	295	(VA)	195	150	120	120	115	130	140	125	6
14	135	70	115	(VA)	205	(VA)	55	350	285	285	320	10	145	85	50	50	55	70	105	200	165	180	240	235	3
15	130	210	165	150	140	130	100	270	300	300	275	305	270	275	255	260	260	235	75	150	235	235	130	110	13
16	125	150	155	150	(VA)	175	255	230	255	275	270	260	220	140	10	330	295	295	275	270	220	165	240	175	13
17	140	150	225	250	255	255	260	285	275	275	320	355	30	340	340	5	50	45	50	70	90	120	145	145	12
18	115	170	135	200	140	180	285	300	300	305	335	320	5	275	45	335	340	295	285	340	85	130	140	155	14
19	180	180	(VA)	185	(VA)	120	210	120	315	315	305	285	290	300	285	315	30	315	50	90	130	135	145	140	15
20	150	200	(VA)	(VA)	125	120	105	40	340	20	15	5	30	350	355	0	70	320	45	70	105	140	145	150	(VA)
21	135	180	225	130	180	155	125	40	300	350	320	355	320	300	310	325	335	30	50	90	135	150	145	135	7
22	165	135	(VA)	245	80	255	(VA)	(VA)	285	340	15	25	260	190	170	160	190	215	235	210	215	180	150	225	9
23	220	215	200	180	170	190	175	190	210	175	170	170	190	175	180	180	175	170	185	110	95	170	185	185	9
24	165	165	165	170	165	175	165	185	185	195	190	195	210	250	250	245	240	160	150	225	220	190	205	195	9
25	200	210	210	200	180	170	195	230	220	250	240	220	245	240	210	275	315	45	90	110	145	150	190	140	10
26	255	145	160	120	160	355	115	40	340	355	290	230	210	205	230	225	195	215	225	295	55	105	140	145	(VA)
27	190	135	150	145	225	200	175	(VA)	180	200	190	225	220	190	210	195	205	220	195	195	205	205	155	145	10
28	150	180	140	135	100	280	85	160	180	180	180	190	205	210	220	210	185	180	210	235	200	230	270	270	9
29	270	265	300	50	120	220	245	275	225	280	265	285	265	275	255	265	265	265	320	280	20	90	225	13	13
30	(VA)	145	170	135	225	220	335	305	25	325	320	310	315	325	210	205	205	220	210	195	200	135	140	110	10
31	175	165	145	195	175	195	260	280	295	290	290	305	295	250	265	265	260	215	205	295	285	225	260	(VA)	14
PV	7	A	8	9	7	9	(VA)	(VA)	14	14	15	15	14	13	10	12	10	11	10	5	7	W	7	7	9

WIND DIRECTION [CC102]

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE #

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SSE	SE	SE	SE	SSE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	SSW	WSW	WNW	SW	SSW	NW	FSE	S	SSW	SSE	SSE	
2	SE	SSE	SE	SE	SE	SSE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	SSW	WSW	WNW	SW	SSW	SE	SE	S	SSW	SSE	SSE	
3	E	SSE	NE	E	SE	SSE	WSW	NE	N	NW	WNW	WNW	WNW	WNW	ENE	ENE	ENE	E	S	SE	SE	S	(VA)	ESE	(VA)	
4	WSW	ENE	W	WSW	SSE	S	WSW	WSW	(VA)	W	WNW	WNW	WNW	WNW	ENE	ENE	ENE	E	S	E	SSW	NW	E	SE	NW	
5	SSE	ENE	W	WSW	SE	SE	SE	SE	SE	NE	NE	NE	NE	NE	ENE	ENE	ENE	E	S	S	SE	SSW	(VA)	SE	SSW	
6	E	(VA)	SE	SE	SE	SSE	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	S	S	F	ENE	E	ESE	E	
7	S	SE	SSE	S	SE	E	NE	WNW	WNW	WSW	S	SSE	SE	SE	ENE	ENE	ENE	N	WSW	(VA)	F	ENE	E	ESE	E	
8	SE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	W	SE	N	ENE	WNW	WNW	WSW	S	S	SSW	SSW	S	SE	SSE	SSW	
9	S	SW	S	SW	SW	ENE	WNW	NE	SSW	SSW	SSW	S	S	S	SSW	WSW	NW	NNE	NW	NNE	NNE	WSW	W	SE	SW	
10	SSE	ENE	SE	S	SW	WNW	E	ENE	NE	SSW	S	S	SSE	S	SSW	WSW	NW	NNE	NW	NNE	NNE	WSW	W	SE	SW	
11	SE	(VA)	W	WSW	W	W	W	W	W	W	W	W	W	W	SSW	WSW	WNW	W	W	W	W	(VA)	SE	SE	S	
12	S	SSE	S	S	S	SW	S	S	S	SW	S	S	S	S	SSW	WSW	WNW	N	(VA)	N	E	SE	S	WSW	SW	N
13	ESE	SSE	E	S	(VA)	ESE	SSW	(VA)	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	N	(VA)	E	SSE	ESE	ESE	SSE	S	
14	SE	ENE	ESE	(VA)	SSW	(VA)	NE	N	WNW	WNW	NW	W	WSW	WNW	(VA)	SSW	SSE	SSE	ESE	ESE	ESE	SE	SE	SE	ESE	
15	SE	SSW	SSE	SSE	SE	SE	E	W	WNW	WNW	N	SE	E	NE	NE	NE	W	SW	ENE	SSW	SSE	S	WSW	SW	NW	
16	SE	SSE	SSE	SSE	(VA)	S	WSW	WSW	W	W	W	W	W	W	WSW	W	W	W	ENE	SSW	SSE	S	WSW	SW	NW	
17	SE	SSE	SW	WSW	WSW	WSW	W	WNW	W	W	W	W	W	W	WSW	W	W	W	ENE	SSW	SSE	S	WSW	SW	NW	
18	ESE	S	SE	SSW	SE	S	WNW	WNW	W	W	W	W	W	W	WSW	W	W	W	ENE	SSW	SSE	S	WSW	SW	NW	
19	S	S	(VA)	S	(VA)	ESE	SSW	ESE	NW	NW	NW	NW	NW	NW	SSW	WSW	WNW	N	(VA)	E	SSE	ESE	ESE	SSE	S	
20	SSE	SSW	(VA)	(VA)	SE	ESE	ESE	NE	WNW	NNE	N	N	N	N	ENE	ENE	ENE	NW	NE	ENE	ENE	SE	SE	SE	ENE	
21	SE	S	SW	SE	S	SSE	SE	NE	WNW	N	NW	N	N	N	ENE	ENE	ENE	NW	NE	ENE	E	SE	SE	SE	ENE	
22	SSE	SE	(VA)	WSW	E	WSW	(VA)	(VA)	WNW	WNW	NNE	W	S	S	SSE	S	SW	SW	SW	E	SE	SSE	SW	SW	S	
23	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	ESE	E	S	S	S	S
24	SSE	SSE	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	S	S	SSW	WSW	WSW	SSE	SSE	SW	SW	E	S	S	S	S
25	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
26	WSW	SE	SSE	SSE	N	ESE	NE	WNW	N	WNW	N	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
27	S	SE	SSE	SE	SW	SSW	S	(VA)	S	SSW	S	SW	SW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
28	SSE	S	SE	SE	E	W	E	SSE	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
29	W	WNW	WNW	NE	ESE	SW	WSW	W	SW	W	W	WNW	WNW	W	W	WSW	W	W	W	W	W	W	W	W	W	W
30	(VA)	SE	S	SE	SW	SW	WNW	NW	NNE	NW	NW	NW	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
31	S	SSE	SE	SSW	S	SSW	W	W	WNW	WNW	NW	NW	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
PV	SE	SSE	SSE	S	SE	S	(VA)	(VA)	WNW	WNW	NW	NW	WNW	W	SSW	WSW	SSW	SSW	SSW	F	SE	S	SE	SE	S	

WIND DIRECTION (CCr02)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4
JUN, 1960
AERODIVISION INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	15	(VA)	135	140	150	135	130	0	60	320	315	310	80	125	200	(VA)	220	70	155	135	120	130	150	135	7	
2	135	145	135	145	190	140	140	145	(VA)	225	(VA)	165	200	195	200	200	200	190	195	165	165	160	150	160	(VA)	
3	110	150	160	165	165	155	175	175	170	175	180	195	180	205	205	190	200	180	195	200	205	205	170	155	9	
4	135	160	170	175	170	175	175	205	205	185	180	210	205	215	230	235	230	230	220	205	170	170	160	175	10	
5	190	235	210	140	150	145	130	115	15	265	165	210	195	205	225	235	225	215	205	190	165	175	165	215	10	
6	240	225	195	190	180	195	220	245	240	235	240	245	245	235	245	235	240	280	295	295	315	300	265	90	12	
7	125	135	140	135	110	125	110	25	330	300	315	310	315	25	295	320	300	15	0	10	100	130	115	125	7	
8	140	215	195	210	(VA)	50	110	295	305	295	310	290	320	325	315	340	325	10	40	80	125	130	170	15		
9	160	265	265	100	130	135	115	55	340	275	295	280	330	290	300	310	350	20	30	40	110	140	140	135	7	
10	210	245	135	230	(VA)	140	175	305	50	305	325	325	(VA)	190	180	180	205	200	190	195	175	190	190	10		
11	165	205	210	195	200	185	190	195	170	165	165	260	225	225	20	20	80	205	200	175	180	205	195	235	10	
12	240	235	225	200	160	160	160	205	195	215	235	240	220	175	170	210	240	240	220	235	200	220	220	195	11	
13	220	210	195	220	200	195	240	125	155	40	125	190	190	205	195	210	220	195	225	215	215	200	140	170	10	
14	170	170	165	160	135	130	115	170	210	225	235	235	240	235	240	235	240	235	235	265	290	290	300	275	265	11
15	275	90	50	105	120	115	120	100	(VA)	270	255	285	290	290	295	305	300	300	295	305	275	265	265	290	18	
16	105	120	(VA)	65	65	230	(VA)	295	295	275	250	255	330	300	280	300	285	320	320	50	130	145	145	180	18	
17	145	225	260	195	120	(VA)	80	335	15	355	345	310	310	285	260	5	345	355	305	265	205	155	140	130	16	
18	150	160	190	240	60	90	75	290	265	300	300	300	330	285	235	220	225	255	260	230	250	290	180	195	(VA)	
19	155	250	150	155	130	125	125	115	100	345	260	305	235	200	195	230	255	265	265	275	135	120	135	175	7	
20	160	(VA)	145	225	290	(VA)	65	280	20	40	340	15	275	180	205	210	185	220	175	185	180	180	175	165	9	
21	200	235	235	195	175	245	110	(VA)	40	350	305	235	210	230	240	260	265	260	245	235	215	195	205	190	11	
22	130	190	200	240	230	195	205	(VA)	35	10	305	295	275	295	185	225	210	235	220	175	160	165	160	9		
23	180	180	145	150	150	160	125	150	175	180	165	175	220	225	220	220	230	220	215	200	170	205	250	125	9	
24	110	160	110	140	145	270	60	340	325	320	250	200	210	225	205	220	230	235	205	180	170	190	185	10		
25	160	165	150	270	125	60	175	260	0	240	175	200	190	220	225	200	185	190	200	190	220	170	165	160	9	
26	160	160	155	185	245	100	135	130	190	185	180	210	240	220	230	235	225	240	215	170	150	185	200	215	9	
27	250	265	255	235	265	260	260	295	290	280	310	300	295	295	295	295	295	305	300	285	270	255	250	265	13	
28	275	145	140	135	150	130	140	265	290	310	340	290	265	260	300	(VA)	0	55	40	120	155	150	150	120	7	
29	130	150	(VA)	290	135	145	135	105	315	310	300	310	295	180	280	255	265	275	235	160	195	140	175	(VA)	11	
30	80	165	270	200	235	150	(VA)	215	225	235	290	280	300	335	70	330	315	300	330	330	280	(VA)	235	(VA)	11	
PV	7	6	7	7	6	6	6	6	9	15	15	14	10	10	10	11	11	11	11	9	9	9	9	9	9	

ABOUT (21 JAN 61)

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT 1 10 METERS

JUN, 1960

AEROSURVEILLANCE INC.

* FINAL DATA *
* AS OF 31/MAR/A *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	NNE	(VA)	SE	SE	SSE	SE	SE	N	ENE	NW	NW	NW	E	SE	SSW	(VA)	SW	ENE	SSE	SE	ESE	SF	SSE	SF	SF
2	SE	SE	SE	SE	SE	SE	SE	SE	(VA)	SW	(VA)	SW	S	SSW	SSW	SSW	SSW	S	SSW	S	SSE	SSE	SSE	SSE	(VA)
3	ESE	SSE	SSE	SSE	SSE	SSE	E	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4	SE	SSE	S	S	S	S	S	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	S	SW	SW	SE	SSE	SE	SE	ESE	NNE	WNW	WNW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
6	WSW	SW	SSW	S	S	SSW	SW	WSW	WSW	SW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	SE	SE	SE	SE	ESE	SE	ESE	ESE	ESE	WNW	WNW	WNW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
8	SE	SW	ESE	SSW	(VA)	NE	ESE	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
9	SSE	W	E	SE	SE	SE	ENE	NE	NE	WNW	WNW	WNW	(VA)	S	S	S	S	S	S	S	S	S	S	S	S
10	SSW	WSW	SE	SW	(VA)	SE	ENE	NW	NE	NW	NW	NW	(VA)	S	S	S	S	S	S	S	S	S	S	S	S
11	SSE	SSW	SSW	SSW	SSW	S	S	SSW	S	SSE	S	W	SW	SW	NNE	NNE	E	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW
12	WSW	SW	SW	SSW	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	SW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	S	S	SSE	SE	SE	SE	SE	S	SSW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	W	E	NE	ESE	ESE	ESE	ESE	E	(VA)	W	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
16	ESE	ESE	(VA)	ENE	ENE	SW	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	SE	SW	W	SSW	ENE	E	ENE	NNE	NNE	N	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	SSE	SSE	S	WSW	ENE	E	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
19	SSE	WSW	SSE	SSE	SE	SE	SE	E	ENE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
20	SSE	(VA)	SE	SW	WNW	(VA)	ENE	W	NNE	NE	NW	NW	W	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	SSW	SW	SW	SE	S	WSW	ESE	(VA)	NE	N	NW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SE	S	S	SSW	WSW	SW	SSW	(VA)	NE	N	NW	WNW	W	WSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	S	S	S	SSE	SSE	SSE	SSE	S	S	SSE	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
24	ESE	SSE	ESE	SE	SE	W	ENE	WNW	NW	NW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SSE	SSE	SSE	W	SE	ENE	S	W	N	WSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
26	SSE	SSE	SSE	S	W	E	SE	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	WSW	W	WSW	WSW	W	W	W	WNW	WNW	W	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	W	SE	SE	SE	SSE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	SE	SSE	(VA)	WNW	SE	SE	ESE	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
30	E	S	W	SSW	SW	SSE	(VA)	SW	SW	SW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SE	SSE	SE	SE	SSE	SSE	ESE	WNW	S	NW	WNW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	S

WIND DIRECTION ICC1021

DEGREES
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139

HONANZA, UTAH
SITE 4

JUL, 1980

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	65	90	120	110	(VA)	260	(VA)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
3	140	125	150	135	215	320	65	90	5	305	310	300	300	65	5	255	235	210	235	215	230	315	60	105	11	
4	120	140	35	75	105	70	105	60	305	260	335	290	275	315	350	295	280	280	255	235	165	145	145	150	7	
5	150	155	60	240	250	195	295	230	305	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	12	
6	(RF)	(RF)	(RF)	(RF)	(RF)	(VA)	175	55	(VA)	50	25	310	320	340	285	265	260	210	220	200	185	250	185	150	9	
7	210	140	160	135	(VA)	135	130	110	185	290	305	130	185	180	180	185	180	175	175	175	140	215	135	170	9	
8	155	150	150	160	195	170	175	200	235	240	240	245	250	230	235	260	255	285	270	190	145	115	155	(VA)	12	
9	105	160	170	220	155	65	340	320	295	305	310	315	285	315	40	10	30	45	330	75	195	160	180	200	15	
10	165	220	(VA)	140	250	130	70	100	40	55	300	310	270	250	175	220	280	240	215	180	165	155	130	90	(VA)	
11	265	235	240	190	85	65	175	295	345	305	295	325	305	(VA)	130	160	140	115	105	100	105	160	160	135	9	
12	120	175	275	220	185	165	165	155	(VA)	210	235	260	185	175	170	205	270	300	315	165	160	160	200	255	9	
13	215	245	225	170	180	195	170	130	180	200	200	325	240	250	260	185	140	290	45	95	160	115	135	160	9	
14	145	115	165	215	175	165	175	215	245	265	285	220	230	225	240	255	250	250	240	220	190	175	255	230	12	
15	240	200	220	(VA)	150	200	185	225	280	260	260	280	285	280	285	300	285	290	295	300	265	260	255	185	13	
16	180	(VA)	125	185	150	205	330	330	340	15	290	275	305	275	300	295	300	350	95	115	135	145	160	185	14	
17	130	240	285	(VA)	140	170	320	60	335	340	300	305	305	305	270	290	250	260	290	310	295	255	140	120	14	
18	95	85	45	85	80	95	125	290	295	305	285	285	310	295	285	265	245	255	240	205	175	165	180	245	14	
19	305	230	240	215	205	240	225	235	315	305	300	290	250	245	245	250	280	310	310	300	270	270	265	240	12	
20	185	325	315	290	115	(VA)	280	305	310	315	285	315	(VA)	275	275	280	330	350	350	20	75	(VA)	325	315	15	
21	145	195	0	120	280	285	280	280	285	315	310	310	275	275	275	300	295	300	300	300	255	240	165	260	14	
22	115	150	155	150	(VA)	40	80	55	20	310	305	275	285	280	300	300	305	310	265	245	220	205	235	185	14	
23	155	180	(VA)	230	85	115	145	170	245	290	270	270	305	255	215	240	245	250	240	175	215	(VA)	160	180	12	
24	(VA)	155	125	70	135	55	120	105	320	320	295	295	310	320	310	310	285	300	55	85	80	150	145	250	14	
25	210	205	355	240	185	55	90	(VA)	285	310	305	310	310	285	255	260	(VA)	110	145	140	125	175	230	235	15	
26	25	70	135	155	235	110	(VA)	335	30	315	330	325	295	260	290	290	325	20	125	145	135	120	105	105	7	
27	140	160	205	220	175	120	240	70	350	(VA)	(VA)	35	285	30	325	325	330	330	10	40	75	175	150	220	15	
28	10	170	(VA)	255	105	(VA)	120	180	280	310	15	315	305	285	300	300	325	335	290	290	240	150	150	140	14	
29	220	200	205	220	185	155	140	(VA)	290	295	280	290	270	190	355	50	295	265	275	225	270	225	270	180	13	
30	150	280	250	140	215	(VA)	95	20	15	335	275	280	285	290	295	300	295	305	160	145	55	95	115	(VA)	14	
31	255	(VA)	200	160	95	140	(VA)	230	10	40	5	0	340	75	290	(VA)	290	305	295	295	290	255	225	150	14	
PV	7	6	6	6	9	8	7	5	15	14	14	14	14	13	14	13	14	14	(VA)	9	7	6	6	9	14	

WIND DIRECTION (CC1021)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #
 AUG. 1980
 AFROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	225	220	225	90	145	145	155	240	130	(VA)	325	280	300	295	265	210	220	195	220	115	115	115	130	125	7
2	130	230	230	145	165	170	235	(VA)	260	285	300	285	280	290	275	275	290	280	295	295	275	270	270	230	13
3	230	190	155	175	190	150	170	(VA)	335	270	265	270	265	265	275	285	290	290	290	290	205	270	275	260	13
4	230	235	195	220	220	250	205	155	305	300	295	275	300	295	285	290	265	280	295	290	270	250	175	195	13
5	115	145	150	80	120	230	85	(VA)	300	310	310	285	305	(VA)	270	225	255	255	235	235	200	185	160	195	11
6	210	205	245	220	170	230	220	240	255	285	250	240	230	250	245	245	255	245	235	200	165	165	250	04	11
7	245	210	205	175	250	135	125	(VA)	310	315	340	310	310	310	350	(VA)	50	315	145	110	120	155	155	95	(VA)
8	135	115	135	130	115	120	315	265	295	310	320	305	295	260	260	260	260	250	265	195	215	245	240	135	13
9	120	195	130	220	190	195	185	200	235	255	275	300	280	285	265	275	290	290	300	300	335	240	100	135	13
10	150	295	200	(VA)	265	160	160	130	310	300	65	240	305	295	295	290	285	290	295	295	295	285	190	125	14
11	125	160	175	345	240	(VA)	285	0	300	300	300	335	305	310	280	295	265	280	310	20	110	145	145	145	14
12	140	130	180	115	(VA)	90	90	150	140	215	225	285	300	275	350	(VA)	210	(VA)	100	125	145	165	110	130	7
13	180	290	245	195	170	160	160	60	310	260	255	305	285	300	175	325	325	55	130	230	(VA)	160	205	165	9
14	135	135	200	140	225	145	100	95	90	310	270	295	250	115	155	155	220	245	220	240	240	105	100	155	7
15	225	165	210	135	155	100	120	(VA)	120	230	255	70	145	170	235	300	300	290	200	140	150	145	130	150	7
16	240	95	240	185	145	140	145	130	(VA)	300	320	315	295	275	290	305	330	40	50	80	85	75	170	(VA)	15
17	120	130	135	140	200	210	(VA)	350	330	315	295	310	310	220	90	180	225	245	250	245	225	205	190	205	10
18	175	(VA)	275	235	250	270	(VA)	335	120	210	225	210	200	200	230	210	210	215	210	190	165	170	145	140	10
19	165	195	190	200	200	190	195	215	235	240	230	240	255	290	290	280	275	295	275	265	265	245	260	275	13
20	265	225	170	155	170	40	140	205	200	305	270	265	290	270	280	305	305	30	55	100	140	130	155	125	13
21	40	150	140	155	260	145	355	75	310	300	305	315	295	295	300	320	5	15	60	100	165	145	145	140	15
22	130	210	165	115	95	(VA)	350	345	280	20	30	340	210	210	205	215	230	230	230	210	205	180	165	140	10
23	165	210	205	140	160	175	180	(VA)	220	230	230	210	175	140	150	245	(VA)	165	130	165	170	145	120	150	9
24	190	255	255	215	215	195	190	185	195	235	270	270	280	255	220	190	160	175	210	290	235	135	150	135	11
25	250	195	125	145	135	105	115	115	215	235	260	235	330	315	305	95	135	140	250	165	165	135	130	115	7
26	230	235	215	200	175	150	140	140	0	65	(VA)	35	315	340	295	260	185	225	220	40	135	140	145	7	7
27	170	150	165	345	(VA)	130	70	40	50	305	320	5	25	340	225	235	245	240	(VA)	215	(VA)	150	215	205	11
28	215	200	245	195	200	95	(VA)	(VA)	50	325	295	225	230	240	240	230	235	245	240	170	165	170	190	140	11
29	200	205	220	195	205	205	195	195	205	225	135	200	200	205	200	180	175	170	170	170	165	170	175	170	10
30	170	105	210	195	185	165	165	240	270	300	45	245	245	285	270	270	240	290	300	265	290	300	255	195	13
31	350	150	225	135	135	150	330	345	15	0	285	290	305	310	285	290	310	310	320	330	345	40	120	150	15
PV	11	10	10	10	9	8	9	(VA)	15	14	14	14	14	14	13	14	13	12	(VA)	(VA)	4	7	7	7	19

WIND DIRECTION (CC:10P)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT 1 10 METERS

AUG. 1960

AEROVIRONMENT INC.

FINAL DATA
AS OF 31/MAR/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SW	SW	SW	E	SE	SE	SSE	WSW	SE (VA)	NW	WNW	WNW	WNW	W	SSW	SW	SSW	SW	ESE	WNW	ESE	ESE	SE	SE	SE
2	SE	SW	SW	SE	SSE	S	SW (VA)	W	WNW	WNW	W	W	W	W	W	WNW	W	WNW	W	WNW	W	W	W	W	W
3	SW	S	SSE	S	S	SSE	S (VA)	WNW	WNW	W	W	W	W	W	W	WNW	W	WNW	W	WNW	W	W	W	W	W
4	SW	SW	SW	SW	SW	SW	SW	SW	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
5	ESE	E	ESE	E	ESE	E	E (VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
6	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
8	SE	ESE	SE	SE	ESE	ESE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	ESE	ESE	SE	SE	ESE	ESE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
10	SSE	WNW	SSW (VA)	S	SSE	SSE	S	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	SE	SSE	SE	SE	SSE	SSE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
12	SE	SE	E	E	E	E	SSE	SE	SE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
13	S	WNW	WSW	S	SSE	SSE	ENE	NW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
14	SE	SE	SE	SE	SE	SE	E	E	E	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
15	SW	SSE	SSW	SE	SE	E	ESE	(VA)	ESE	SW	WSW	ENE	SE	S	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
16	WSW	E	WSW	S	SE	SE	SE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	ESE	SE	SE	SE	SE	SE	SSW	(VA)	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	S	(VA)	W	SW	SSW	W	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
19	S	SSW	S	SSW	SSW	W	SSW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
20	WNW	SW	S	SSE	S	NE	SE	SSW	W	W	WNW	W	W	W	W	WNW	W	WNW	W	WNW	W	W	W	W	W
21	E	ESE	SE	ESE	W	SE	N	ENE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
22	SE	SSW	SSE	ESE	E	(VA)	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
23	S	SSW	SSW	S	SSE	S	(VA)	SW	SW	SW	SSW	S	SE	SSE	WSW	(VA)	S	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW
24	S	WSW	WSW	SW	SW	SSW	S	S	SSW	SW	W	W	W	W	W	SSW	S	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
25	WSW	SSW	SE	SE	SE	SE	ESE	ESE	ESE	SW	SW	W	W	W	W	SSW	S	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
26	SW	SW	SW	SW	SW	S	SSE	SE	SE	N	ENE (VA)	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
27	S	SSE	SSE	WNW	(VA)	SE	ENE	E	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	SW	SSW	SSW	SSW	E	(VA)	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	S	ESE	SSW	SSW	S	S	SSW	W	WNW	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	N	SSE	SW	SE	SE	SSE	WNW	WNW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SW	SSW	SSW	S	SSE	S	(VA)	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

ABOUT (29 JAN 61)

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP. 1980
 AEROSPIROMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	195	350	125	165	195	(VA)	165	(VA)	290	0	20	300	320	260	355	305	320	340	80	110	155	220	195	210	15
2	145	175	180	155	(VA)	70	85	(VA)	70	35	350	290	305	240	240	240	245	245	225	180	180	190	195	235	(VA)
3	195	205	200	255	250	(VA)	145	245	235	265	300	285	200	295	300	285	295	280	290	275	315	100	220	125	13
4	150	(VA)	130	160	305	75	(VA)	90	315	60	295	305	290	325	305	295	310	60	120	110	140	145	145	170	15
5	235	120	175	270	80	(VA)	55	80	75	350	355	325	280	320	315	295	285	295	320	75	130	155	145	130	14
6	160	(VA)	230	180	160	160	160	165	170	230	240	205	210	175	255	290	290	305	(VA)	215	170	160	180	195	9
7	175	205	210	(VA)	250	185	265	285	285	280	270	115	50	320	310	200	170	215	165	135	135	175	240	9	
8	270	275	165	155	145	130	210	285	290	285	285	270	140	90	80	(VA)	280	340	20	245	265	110	(VA)	155	13
9	150	105	140	100	80	105	120	120	90	90	95	70	45	45	75	40	350	275	270	280	275	275	275	285	8
10	270	270	50	35	35	345	(VA)	75	325	0	280	280	260	330	150	(VA)	135	90	210	195	205	175	205	285	13
11	215	270	135	90	165	215	175	170	275	220	230	235	245	250	245	245	255	275	250	255	240	240	235	235	12
12	210	225	240	235	230	230	175	115	240	270	260	250	290	325	330	345	155	110	170	105	140	145	180	215	12
13	155	130	140	240	135	220	(VA)	30	315	50	10	185	200	185	210	220	195	185	175	170	155	115	120	9	
14	150	165	125	155	165	160	155	125	115	150	190	210	290	275	290	310	305	305	240	200	185	175	105	130	4
15	150	35	290	270	(VA)	260	200	90	95	(VA)	310	295	300	290	260	255	245	245	240	230	225	210	195	220	12
16	225	230	230	245	230	240	235	250	310	290	280	280	275	275	275	270	280	280	275	270	260	250	230	280	12
17	205	230	(VA)	165	215	230	180	105	230	260	265	280	290	285	285	275	265	260	265	250	205	120	(VA)	170	13
18	(VA)	(VA)	(VA)	60	200	(VA)	95	160	300	345	290	20	275	215	210	190	200	185	170	195	180	180	205	185	9
19	185	215	210	205	200	195	195	190	205	235	245	250	250	250	250	260	305	290	340	340	340	340	265	(VA)	10
20	120	255	180	140	140	145	135	(VA)	(VA)	310	300	310	290	305	295	275	320	(VA)	250	220	190	170	145	145	7
21	180	115	165	250	245	275	175	235	280	300	300	305	290	290	300	325	285	310	45	110	140	255	165	90	4
22	75	70	85	75	75	85	295	275	290	350	35	0	330	330	315	325	285	310	45	110	140	255	165	90	4
23	(VA)	(VA)	(VA)	145	150	135	75	85	290	290	290	290	275	300	305	305	350	20	10	120	170	260	260	255	14
24	175	(VA)	180	170	170	175	95	110	55	290	260	275	280	275	310	310	310	30	95	135	170	(VA)	(VA)	125	9
25	130	120	100	85	110	110	305	270	290	295	300	295	295	285	285	295	290	310	190	125	140	145	135	(VA)	14
26	(VA)	135	110	130	135	105	80	70	55	40	320	300	295	280	290	300	320	50	90	135	180	155	165	165	7
27	200	75	115	230	125	150	185	95	40	295	295	290	305	290	310	330	310	310	105	140	120	135	155	180	7
28	180	265	80	140	135	175	215	(VA)	75	30	340	295	295	300	300	285	265	235	230	220	225	235	250	180	11
29	250	110	(VA)	135	(VA)	125	160	135	(VA)	50	300	270	285	285	285	300	305	355	285	(VA)	135	145	190	130	(VA)
30	180	170	160	170	120	60	(VA)	125	120	60	315	280	285	300	285	310	0	300	320	195	190	215	280	260	14
PV	9	6	7	4	7	7	9	6	14	14	14	14	14	14	14	14	14	14	12	11	9	7	10	12	14

WIND DIRECTION ICC102)

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

SEP, 1960

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSW	N	SE	SSE	SSW	(VAI)	SSE	(VAI)	WNW	N	NNE	WNW	NW	W	N	NW	NW	NW	E	ESE	SSE	SW	SSW	SSW	NW
2	SE	S	SSE	(VAI)	FNE	(VAI)	E	(VAI)	ENE	NE	N	WNW	NW	W	WSW	WSW	WSW	WSW	SN	S	SSE	S	SSW	SSW	(VAI)
3	SSW	SSW	SSW	WSW	(VAI)	SE	WSW	(VAI)	SW	W	WNW	WNW	W	WNW	WNW	WNW	WNW	W	WNW	W	NW	E	SW	SE	W
4	SSE	(VAI)	SE	SSE	NW	ENE	(VAI)	E	NW	ENE	WNW	NW	WNW	NW	NW	NW	ENE	ENE	ESE	ESE	SE	SE	SE	NW	
5	SW	ESE	S	W	E	(VAI)	NE	E	ENE	N	N	NW	W	NW	NW	WNW	WNW	NW	NW	ENE	SE	SSE	SE	WNW	
6	SSE	(VAI)	SW	S	SSE	SSE	S	N	WNW	SW	WSW	SSW	S	WSW	WNW	WNW	NW	(VAI)	SW	S	SSE	S	SSW	S	
7	S	SSW	SSW	(VAI)	WSW	S	N	WNW	WNW	WNW	ENE	ENE	SE	ENE	NE	NW	SSW	S	SW	SSE	SE	SE	S	WSW	
8	W	W	SSE	SSE	SE	SE	SE	SSW	WNW	WNW	WNW	W	SE	E	(VAI)	W	NNW	NNE	WSW	W	ESE	(VAI)	SSE	W	
9	SSE	ESE	SE	E	E	ESE	ESE	E	E	E	E	ENE	NE	NE	ENE	NE	N	W	W	W	W	W	W	E	
10	W	W	NE	NE	NE	NNW	(VAI)	ENE	NW	N	W	W	W	W	NNW	SSE	(VAI)	SE	E	SSW	SSW	S	SSW	W	
11	SW	W	SE	E	SSE	SW	S	W	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
12	SSW	SW	WSW	SW	SW	S	ESE	WSW	W	W	WSW	WNW	NW	NNW	NNW	SSE	ESE	S	ESE	SE	SE	S	SW	WSW	
13	SSE	SE	SE	WSW	SE	SW	(VAI)	NNE	NW	NE	N	S	SSW	S	SSW	SSW	SSW	S	S	S	SSE	ESE	ESE	S	
14	SSE	SE	SE	SSE	SSE	SSE	SE	ESE	ESE	SSE	S	SSW	WNW	W	WNW	NW	NW	NW	WSW	SSW	S	ESE	SE	SW	
15	SSE	NE	WNW	W	(VAI)	W	SSW	E	E	(VAI)	NW	WNW	WNW	W	WNW	W	WSW	WSW	WSW	SW	SW	SSW	SSW	WSW	
16	SW	SW	WSW	WSW	SW	WSW	SW	WSW	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	
17	SSW	SW	(VAI)	SSE	SW	SW	S	ESE	SW	W	W	W	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	
18	(VAI)	(VAI)	(VAI)	ENE	SSW	(VAI)	E	SSE	WNW	NNW	NNW	NNE	W	SW	SSW	S	SSW	S	S	S	SSE	ESE	(VAI)	S	
19	S	SW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	(VAI)	WNW	NNW	NNW	W	(VAI)	SSW
20	ESE	WSW	SE	SE	SE	SE	SE	(VAI)	(VAI)	NW	NNW	NW	NNW	NW	NNW	W	NNW	(VAI)	WSW	SW	S	S	SE	SE	SE
21	S	ESE	SSE	WSW	WNW	W	S	SW	W	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SE	ENE	NNW
22	ENE	ENE	E	FNE	ENE	E	WNW	W	WNW	N	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NE	ESE	SE	WSW	SSE	E	ENE
23	(VAI)	(VAI)	(VAI)	SE	SSE	SE	ENE	E	WNW	WNW	WNW	W	WNW	W	WNW	N	N	NNE	N	ESE	SE	W	W	WSW	NNW
24	S	(VAI)	S	S	S	S	E	ESE	NE	WNW	W	W	W	W	NW	NW	NW	NNE	E	SE	S	(VAI)	(VAI)	SE	S
25	SE	ESE	E	E	ESE	ENE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
26	(VAI)	SE	SE	SE	ESE	E	ENE	ENE	ENE	NE	NE	NNW	NNW	W	NNW	NNW	NNW	NE	E	SE	SE	SSE	SSE	SE	SE
27	SSW	ENE	ESE	SW	SE	SSE	S	E	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ENE	SE	ESE	SE	SSE	SSE	SE
28	S	W	E	SE	SE	S	SW	(VAI)	ENE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	W	BN	SW	SW	SW	SW	SW	SW	SW
29	WSW	ESE	(VAI)	SE	(VAI)	SE	SSE	SE	(VAI)	NE	WNW	W	WNW	W	NNW	NNW	N	NNW	(VAI)	SE	SE	S	SE	(VAI)	WNW
30	S	S	SSE	S	FNE	(VAI)	SE	ESE	ENE	NE	W	W	WNW	WNW	WNW	NNW	N	NNW	NNW	SSW	S	SW	W	W	WNW
PV	S	ESE	SE	SSE	SE	SE	S	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	(VAI)	WSW	SW	S	SE	SSW	WSW	WNW

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 OCT, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	70	185	125	50	95	160	140	140	(VA)	5	265	260	265	315	295	295	5	55	95	75	30	305	10	295	14
2	85	100	100	100	110	85	95	100	80	65	50	40	55	55	25	40	70	10	90	130	190	255	(VA)	205	5
3	(VA)	155	(VA)	30	110	135	65	170	20	335	10	300	325	(VA)	290	265	265	65	115	130	180	(VA)	320	(VA)	14
4	130	(VA)	125	125	140	155	140	175	325	290	285	285	290	260	320	325	15	110	140	(VA)	150	210	95	7	7
5	140	345	115	130	150	225	110	120	(VA)	315	280	320	315	325	295	345	0	285	270	90	115	120	120	135	6
6	285	80	265	235	135	140	125	90	85	305	275	310	310	325	295	300	270	275	240	190	145	145	140	200	15
7	145	145	(VA)	105	105	160	(VA)	75	85	290	280	310	295	285	310	310	25	235	(VA)	100	135	(VA)	75	65	14
8	150	170	(VA)	100	135	165	150	95	115	40	275	300	300	325	20	50	55	15	75	135	205	270	255	285	(VA)
9	(VA)	130	140	140	130	135	115	140	215	285	300	305	285	45	345	315	330	265	260	70	95	120	75	140	140
10	130	125	85	85	95	85	95	45	70	50	45	35	10	10	50	300	5	265	265	50	265	285	(VA)	55	3
11	105	160	75	70	130	(VA)	65	90	80	285	315	285	295	305	355	285	0	230	205	180	175	160	145	190	9
12	190	175	250	270	90	50	260	280	(VA)	295	275	260	300	275	215	155	130	165	175	205	230	215	150	160	13
13	160	230	275	135	120	105	135	(VA)	300	290	(VA)	310	290	320	40	120	110	170	170	195	285	315	(VA)	145	(VA)
14	185	135	95	(VA)	250	250	255	280	320	(VA)	55	270	85	255	75	345	200	165	115	210	285	60	180	100	(VA)
15	185	160	165	175	160	175	170	95	170	180	115	165	(VA)	200	205	175	130	175	150	160	55	50	315	280	9
16	285	275	285	270	260	255	280	45	40	30	45	60	95	35	305	295	205	240	235	240	250	245	260	255	13
17	260	255	100	115	210	185	210	205	215	260	275	285	275	270	265	255	240	240	255	255	255	230	225	230	12
18	195	170	135	150	145	165	150	135	135	215	260	240	245	260	350	270	255	125	270	135	140	135	125	145	7
19	120	125	130	145	110	100	180	55	85	310	305	285	320	315	330	350	315	275	260	135	155	140	145	195	7
20	230	245	80	140	130	100	160	145	180	285	295	300	280	295	280	300	300	15	75	130	135	150	125	160	7
21	60	50	155	60	130	145	200	85	90	60	25	310	290	295	295	265	300	145	130	145	160	165	145	210	7
22	190	215	275	130	(VA)	(VA)	230	230	230	255	260	265	260	280	285	280	275	275	300	325	290	315	320	355	13
23	300	290	105	95	80	75	80	80	70	65	35	25	60	(VA)	300	10	285	(VA)	110	140	550	125	145	140	7
24	155	185	170	125	140	250	105	(VA)	35	335	55	310	15	0	305	305	285	270	240	220	200	(VA)	155	135	7
25	140	65	90	25	(VA)	95	95	255	70	295	290	310	335	285	285	285	70	90	105	165	170	250	95	160	5
26	160	30	155	265	(VA)	240	145	240	245	275	280	305	300	300	280	260	95	90	130	230	240	265	260	240	13
27	220	255	235	150	135	185	285	85	30	55	65	70	55	60	55	55	55	55	60	60	55	45	70	60	3
28	60	75	95	85	270	225	(VA)	250	255	300	325	40	50	35	340	55	55	120	110	120	130	145	130	135	(VA)
29	135	140	130	135	135	145	(VA)	175	270	35	305	35	295	270	290	310	35	270	255	230	225	210	135	135	7
30	125	125	(VA)	345	(VA)	(VA)	240	60	45	240	(VA)	10	305	325	60	330	30	255	240	225	210	195	100	140	12
31	135	180	(VA)	225	(VA)	(VA)	210	40	(VA)	275	280	270	295	310	340	340	265	240	255	240	255	240	210	(VA)	13
PV	7	7	7	7	6	8	7	5	5	14	13	(VA)	14	15	14	14	13	13	12	7	(VA)	(VA)	7	7	13

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SE	SE	NE	E	SSE	SE	SE	(VA)	N	W	W	W	NW	NW	NW	N	NE	E	ENE	NNE	NW	N	NW	NW
2	E	E	E	E	ESE	E	E	E	E	ENE	NE	NE	NE	NE	ENE	ENE	ENE	N	E	SE	S	WSW	N	WSW	E
3	(VA)	SSE	(VA)	NNE	ESE	SE	ENE	ENE	ENE	NNE	NW	NW	NW	(VA)	NW	NW	W	ENE	ESE	SE	S	(VA)	NW	NW	
4	SE	(VA)	SE	SE	SE	SSE	SE	SE	SE	NW	NW	NW	NW	NW	NW	NW	W	ESE	SE	(VA)	SSE	SSW	E	SE	
5	SE	NW	ESE	SE	SSE	SW	ESE	ESE	(VA)	NW	NW	NW	NW	NW	NW	NW	W	W	W	E	ESE	ESE	SE	ESE	
6	NW	E	W	SW	SE	SE	SE	E	E	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	S	S	SSW	NW	
7	SE	SE	(VA)	ESE	ESE	SSE	(VA)	ENE	E	NW	NW	NW	NW	NW	NW	NW	W	W	W	E	SE	ENE	ENE	NW	
8	(VA)	SE	SE	SE	SE	SSE	ESE	SE	SE	NW	NW	NW	NW	NW	NW	NW	W	W	W	E	SE	ENE	ENE	(VA)	
9	(VA)	SE	SE	SE	SE	SE	ESE	SE	SE	NW	NW	NW	NW	NW	NW	NW	W	W	W	ENE	E	ESE	ENE	SE	
10	SE	SE	SE	E	E	E	E	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	W	W	W	ENE	W	WSW	(VA)	NE	
11	ESE	SSE	ENE	ENE	SE	(VA)	ENE	E	E	NW	NW	NW	NW	NW	NW	NW	W	W	W	ENE	W	WSW	(VA)	NE	
12	S	S	S	W	E	NE	W	W	(VA)	NW	W	W	W	W	W	W	W	SE	S	SSW	SW	SW	SSE	S	
13	SSE	SW	W	SE	ESE	ESE	SE	(VA)	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	SSW	SSW	NW	SSE	W	
14	SE	SE	E	(VA)	WSW	WSW	WSW	WSW	NW	(VA)	NE	W	E	WSW	ENE	NW	SSW	SSE	ESE	SSW	NW	ENE	S	(VA)	
15	SE	SSE	SSE	S	SSE	S	E	S	ESE	SSE	SSE	(VA)	SSE	SSE	SSE	S	SE	S	SSE	SSE	NE	NE	N	S	
16	NW	W	NW	W	W	WSW	W	NE	NE	NNE	NE	W	W	W	W	WSW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	W	
17	W	WSW	E	ESE	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
18	SSW	S	SE	SSE	SE	SSE	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
19	ESE	SE	SE	SE	ESE	E	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
20	SW	WSW	E	SE	SE	E	SSE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
21	ENE	NE	SSE	ENE	SE	SE	SSW	E	E	ENE	NE	NW	NW	NW	NW	NW	W	W	W	ENE	SE	SE	SE	SE	
22	S	SW	W	SE	(VA)	(VA)	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
23	NW	NW	ESE	E	E	ENE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
24	SE	ENE	E	NNE	(VA)	E	WSW	ESE	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
25	SE	ENE	E	NNE	(VA)	E	WSW	ESE	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
26	SSE	NNE	SSE	W	W	(VA)	WSW	SE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
27	SW	WSW	SW	SSE	E	W	WSW	E	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
28	ENE	ENE	E	E	W	SW	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
29	SE	SE	SE	SE	SE	SE	SE	SE	SE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
30	SE	SE	(VA)	NW	(VA)	(VA)	WSW	ENE	NE	W	(VA)	N	NW	ENE	NW	ENE	NW	ENE	NE	W	WSW	SSW	SSW	SSW	
31	SE	SE	(VA)	SW	(VA)	(VA)	SSW	NE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
PV	SE	SE	SE	SE	ESE	SSE	SE	E	E	WSW	W	(VA)	WSW	NW	WSW	WSW	W	W	W	W	W	(VA)	SE	SE	

BOHANZA, UTAH
 SITE #
 NOV, 1960
 AEROVIRONMENT INC.

DEGREES
 LEVEL HEIGHT : 10 METERS
 WIND DIRECTION: (SEE PAGE)

* FINAL DATA *
 * AS OF 04/JUN/61 *
 * *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	(VA)	155	100	140	140	65	(VA)	(VA)	170	275	300	305	0	295	100	145	270	205	250	165	210	135	150	235	M
2	(VA)	85	95	(VA)	105	200	165	(VA)	(VA)	285	340	75	45	45	320	245	295	255	185	150	205	(VA)	135	130	14
3	(VA)	70	145	(VA)	90	(VA)	185	75	65	40	300	60	280	290	270	275	270	40	(VA)	220	(VA)	230	205	170	4
4	160	130	135	150	155	160	105	135	180	310	295	305	280	300	340	30	95	140	225	215	225	155	(VA)	335	4
5	40	85	(VA)	(VA)	110	(VA)	90	(VA)	95	255	325	10	305	290	315	300	275	245	205	55	245	120	(VA)	60	15
6	260	220	90	105	135	240	(VA)	215	105	275	300	320	20	245	240	260	250	205	205	220	210	205	225	12	12
7	245	255	65	245	245	245	(VA)	65	230	285	295	285	275	240	240	240	215	175	180	195	185	220	240	195	12
8	235	240	240	225	225	230	235	230	245	275	285	290	295	285	290	290	265	275	215	220	145	155	155	135	11
9	130	135	125	135	125	260	230	245	260	50	45	310	280	340	(VA)	(VA)	105	230	225	225	225	240	210	195	11
10	245	255	255	255	105	250	260	255	75	275	270	305	275	295	300	30	100	90	165	195	135	185	165	140	13
11	125	160	175	205	(VA)	295	220	165	255	285	325	10	275	275	(VA)	50	195	165	185	165	160	225	175	230	4
12	220	190	180	165	170	170	175	160	175	215	210	190	210	215	240	170	185	275	290	65	155	150	250	255	9
13	255	125	225	145	95	85	80	85	55	70	55	55	50	55	45	65	65	60	60	60	60	75	75	70	4
14	75	70	80	80	85	80	95	100	70	70	25	40	35	30	40	25	45	55	50	75	95	110	115	145	4
15	115	175	(VA)	60	100	255	125	225	275	240	270	325	325	10	45	40	50	70	75	70	65	85	75	45	4
16	85	95	100	105	95	100	95	95	85	55	70	45	45	5	(VA)	300	270	305	10	80	110	85	70	50	5
17	100	95	130	260	235	145	140	140	125	105	40	330	305	290	285	275	270	20	75	220	265	140	260	130	(VA)
18	165	140	(VA)	115	125	250	(VA)	85	70	(VA)	275	280	310	280	275	275	(VA)	45	145	300	250	(VA)	170	160	13
19	(VA)	130	120	160	160	(VA)	130	315	(VA)	335	280	295	280	355	(VA)	345	330	295	250	170	225	230	115	160	4
20	145	150	100	135	175	225	85	235	105	235	285	240	295	305	290	270	265	260	130	140	140	150	140	7	
21	180	(VA)	165	240	130	135	180	(VA)	105	275	305	25	(VA)	335	240	270	260	215	155	155	210	165	215	205	4
22	205	160	155	160	155	30	195	265	250	80	60	335	330	315	260	(VA)	100	115	140	145	140	195	240	165	4
23	(VA)	(VA)	155	115	(VA)	175	275	110	115	205	260	295	315	330	10	5	320	245	235	215	130	70	305	320	15
24	5	255	270	25	60	295	265	290	290	270	245	280	240	300	65	115	275	45	100	80	75	20	40	95	13
25	65	115	115	115	120	115	115	265	50	240	245	320	330	305	295	265	150	150	210	250	205	150	200	(VA)	(VA)
26	190	205	130	150	145	(VA)	170	190	215	315	10	(VA)	285	290	240	245	145	135	150	250	240	165	150	140	4
27	130	135	140	180	135	140	80	(VA)	(VA)	(VA)	300	305	350	55	0	315	275	255	270	230	130	(VA)	(VA)	255	7
28	(VA)	230	175	(VA)	195	(VA)	100	240	(VA)	260	300	310	(VA)	285	10	30	240	135	155	200	250	240	205	(VA)	12
29	230	205	80	(VA)	275	(VA)	180	(VA)	205	265	290	300	245	35	50	(VA)	(VA)	220	255	250	75	245	60	230	12
30	260	255	225	230	225	230	210	195	210	245	210	240	230	240	140	185	200	230	215	180	190	145	180	205	10
PV	12	7	7	(VA)	7	12	5	11	4	13	14	14	13	14	13	13	13	12	11	11	(VA)	8	(VA)	(VA)	13

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139

ROGANZA, UTAH

SITE

AS OF 04/JUN/81

LEVEL HEIGHT : 10 METERS

NOV, 1980

AFROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	(VA)	SSE	E	SE	SF	ENE	(VA)	(VA)	S	W	WNW	NW	N	WNW	E	SE	W	SSW	SSE	SSE	SSW	SE	SSF	SW	SSE
2	(VA)	E	(VA)	E	ESE	SSW	(VA)	(VA)	ENE	ENE	WNW	ENE	NE	NE	NE	WNW	W	SSW	SSE	SSE	SSW	(VA)	SE	SE	WNW
3	(VA)	ENE	SE	(VA)	E	(VA)	S	ENE	ENE	NE	WNW	ENE	W	WNW	W	W	W	W	(VA)	S	(VA)	SW	SSW	S	ENE
4	SSE	SE	SE	SSE	SSE	SSE	ESE	SE	S	NW	WNW	HW	W	WNW	ENE	E	SE	SW	SW	SW	SW	SSE	(VA)	MNW	SSE
5	NE	E	(VA)	(VA)	ESE	MSW	(VA)	(VA)	E	WSW	HW	N	HW	WNW	WNW	W	WSW	SSW	SSW	SSW	SSW	ENE	(VA)	ENE	HW
6	W	SW	E	ESE	SE	MSW	(VA)	(VA)	ENE	SW	WNW	WNW	W	WSW	MSW	W	SSW	S	S	S	S	SW	SSW	SSW	MSW
7	WSW	WSW	ENE	MSW	MSW	MSW	(VA)	(VA)	ENE	SW	WNW	WNW	W	WSW	MSW	W	SSW	S	S	S	S	SW	SSW	SSW	MSW
8	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	W	WNW	WNW	W	WSW	MSW	W	SSW	S	S	S	S	SW	SSW	SSW	SW
9	SE	SE	SE	SE	SE	W	SW	WSW	W	NE	NE	W	W	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SW
10	MSW	MSW	MSW	MSW	ESE	WSW	W	WSW	EPE	W	W	W	W	WNW	WNW	ENE	E	E	SSE	SSW	SSW	SSW	SSW	SSW	SW
11	SE	SSE	S	SSW	(VA)	MNW	SW	SSE	WSW	WNW	NW	N	W	W	(VA)	NE	SSW	SSE	SSE	S	SSE	SW	SW	SW	SSE
12	SW	S	S	SSE	S	S	S	SSE	S	SW	SSW	S	SSW	SM	MSW	S	S	S	W	WNW	ENE	SSE	SSW	SSW	S
13	WSW	SE	S	SE	E	E	E	E	NE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
14	ENE	ENE	E	E	E	E	E	E	ENE	ENE	ENE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	SE	ENE	
15	ESE	S	(VA)	ENE	E	WSW	SE	SW	E	NE	WSW	W	NW	N	NE	NE	NE	NE	NE	NE	NE	ESE	SE	ENE	ENE
16	E	E	E	ESE	E	E	E	E	E	NE	ENE	W	NE	N	NE	NE	NE	NE	NE	NE	NE	ESE	SE	ENE	ENE
17	E	E	SE	W	SW	SE	SE	SE	SE	ESE	NE	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	(VA)
18	SSF	SE	(VA)	ESE	SE	MSW	(VA)	E	ENE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	(VA)
19	(VA)	SE	ESE	SSE	SSE	(VA)	SE	HW	(VA)	WNW	W	W	W	W	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
20	SE	SSE	E	SE	S	SW	E	SW	ESE	SW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W
21	S	(VA)	SSE	MSW	SE	SE	S	(VA)	ESE	W	NW	ENE	(VA)	MNW	W	W	W	W	W	W	W	W	W	W	W
22	SSW	SSE	SSE	SSE	SSE	NNE	SSW	W	MSW	E	ENE	MNW	HW	W	W	W	W	W	W	W	W	W	W	W	W
23	(VA)	(VA)	SSE	ESE	(VA)	S	W	ESF	ESE	SSW	W	WNW	NW	WNW	N	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
24	N	MSW	W	NNE	ENE	MNW	W	WNW	WNW	W	WNW	W	W	WNW	ENE	ESE	W	W	W	W	W	W	W	W	W
25	ENE	ESE	ESE	ESE	ESE	W	ENE	W	NE	W	W	W	W	WNW	WNW	W	W	W	W	W	W	W	W	W	W
26	S	SSW	SE	SSE	S	(VA)	S	S	S	FIN	N	(VA)	WNW	WNW	W	WNW	SE	SE	SSE	SSW	SSW	SSW	SSW	SSW	W
27	SE	SE	SE	SE	SE	SE	(VA)	(VA)	(VA)	WNW	NW	N	N	N	W	W	W	W	W	W	W	W	W	W	W
28	(VA)	SW	S	(VA)	SSW	(VA)	E	WSW	(VA)	W	WNW	HW	(VA)	WNW	N	NNE	WSW	SE	SSE	SSW	SSW	SSW	SSW	SSW	W
29	SW	SSW	E	(VA)	W	(VA)	S	(VA)	SSW	W	WNW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W
30	W	WSW	SW	SW	SW	SW	SSW	SSW	SSW	MSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	S	S	S
PV	WSW	SE	SE	(VA)	SE	WSW	E	SW	ENE	W	WNW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #119
 BONANZA, UTAH
 SITE #
 DEC. 1980
 AEROSCIENCE INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	220	230	245	250	255	265	270	270	275	280	275	270	270	270	275	270	250	245	205	125	175	(VA)	140	205	12
2	(VA)	235	(VA)	255	200	135	205	90	145	265	265	(VA)	70	290	275	270	265	(VA)	(VA)	115	(VA)	165	220	160	13
3	255	275	170	(VA)	105	205	170	235	200	255	270	45	225	185	200	175	190	180	165	195	180	180	175	145	10
4	170	150	175	205	185	185	185	180	195	190	195	205	210	220	225	215	210	240	225	205	190	205	160	160	10
5	175	190	155	160	180	180	185	200	220	260	250	280	260	220	220	205	290	280	275	275	120	115	105	130	9
6	125	155	245	255	195	265	190	190	245	270	65	(VA)	125	50	15	25	(VA)	205	170	195	240	265	245	275	12
7	265	230	165	145	255	165	125	(VA)	255	320	335	25	355	315	355	40	35	45	75	90	70	65	90	95	4
8	85	55	75	85	100	80	85	90	75	65	40	20	325	290	285	285	265	220	215	160	115	145	140	155	5
9	130	135	180	200	(VA)	165	240	(VA)	260	275	280	270	305	280	285	280	(VA)	125	125	145	135	175	180	145	(VA)
10	195	(VA)	80	(VA)	90	105	115	345	(VA)	250	25	30	50	300	270	45	325	250	260	(VA)	145	(VA)	140	125	(VA)
11	150	175	230	170	(VA)	275	195	225	(VA)	255	30	345	305	265	275	315	255	260	80	135	200	120	145	220	11
12	230	85	(VA)	(VA)	50	260	60	(VA)	75	65	250	260	60	320	260	290	245	280	215	(VA)	(VA)	245	75	160	13
13	190	(VA)	(VA)	90	105	130	70	95	85	65	290	35	40	325	280	285	265	30	130	315	260	330	255	(VA)	(VA)
14	70	170	125	180	230	(VA)	140	245	15	145	90	325	310	300	280	295	290	200	160	195	130	140	(VA)	(VA)	(VA)
15	130	140	50	(VA)	145	300	210	235	(VA)	65	290	275	75	75	75	90	115	220	260	175	170	160	135	225	7
16	160	235	170	(VA)	(VA)	(VA)	(VA)	(VA)	235	105	50	310	320	280	275	275	265	260	225	260	195	175	225	160	13
17	25	105	255	(VA)	(VA)	265	210	175	(VA)	290	(VA)	350	335	35	305	275	270	245	115	240	(VA)	260	(VA)	230	13
18	(VA)	135	155	(VA)	(VA)	(VA)	(VA)	(VA)	115	85	(VA)	305	280	265	280	270	270	260	205	125	255	(VA)	145	270	13
19	75	155	130	45	290	70	145	205	(VA)	270	280	305	250	260	260	270	245	270	245	195	265	30	125	230	13
20	135	115	110	115	(VA)	145	210	50	(VA)	70	280	280	295	45	335	295	260	250	215	190	170	265	310	255	13
21	185	145	(VA)	(VA)	155	(VA)	175	(VA)	135	(VA)	270	295	275	350	65	80	270	165	200	190	220	250	245	230	(VA)
22	(VA)	105	170	230	220	225	50	245	45	25	35	60	(VA)	250	195	185	175	175	200	235	265	270	275	210	11
23	240	190	130	(VA)	200	160	145	180	250	230	265	275	265	270	270	275	120	160	200	225	170	145	150	150	13
24	240	160	125	115	135	(VA)	120	75	90	(VA)	340	270	265	285	275	270	260	260	160	140	195	(VA)	240	(VA)	13
25	235	(VA)	265	250	90	(VA)	120	130	(VA)	100	(VA)	265	280	270	270	240	235	190	130	150	(VA)	200	140	170	13
26	155	140	135	165	290	125	(VA)	100	190	105	245	260	325	60	60	25	(VA)	260	260	270	115	220	255	220	11
27	155	(VA)	55	(VA)	(VA)	(VA)	195	80	200	(VA)	65	320	300	300	240	270	230	220	290	115	220	255	220	11	
28	105	90	165	60	(VA)	320	260	(VA)	235	65	270	35	280	290	275	280	290	250	160	160	270	55	190	(VA)	13
29	(VA)	(VA)	(VA)	(VA)	150	120	140	(VA)	75	70	305	265	320	290	25	235	200	275	120	175	140	(VA)	(VA)	(VA)	14
30	235	85	120	255	175	265	125	200	45	(VA)	305	(VA)	350	330	290	265	275	265	245	115	125	300	(VA)	135	13
31	145	125	250	95	90	(VA)	(VA)	(VA)	(VA)	50	55	345	0	315	300	265	255	0	180	245	150	135	125	255	(VA)
PV	7	7	7	(VA)	(VA)	7	10	9	11	8	13	13	13	14	14	13	13	12	11	7	7	9	7	8	13

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BOHANZA, UTAH
SITE 4

LEVEL HEIGHT 10 METERS

DEC. 1980

AEROSURVEILLANCE INC.

* FINAL DATA *
* AS OF 31/MAR/A *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SW	SW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	SE	S	(VA)	SE	SSW	WSW
2	(VA)	SW	(VA)	WSW	SSW	SE	SSW	E	SE	WSW	W	W	W	W	W	W	WSW	(VA)	(VA)	ESE	(VA)	S	SW	S	W
3	WSW	W	S	(VA)	ESE	SSW	S	SSW	SSW	WSW	W	W	W	W	W	W	WSW	(VA)	(VA)	SSW	S	S	SSW	S	SSW
4	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	S	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SE	SSE	WSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	W	SW	SSE	SE	WSW	SSE	SE	(VA)	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	E	NE	ENE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
9	SE	SE	S	SSW	(VA)	SSE	WSW	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SSW	(VA)	E	(VA)	E	ESE	ESE	NNW	(VA)	WSW	NNE	NNE	NE	NW	W	W	W	W	W	W	W	W	W	W	W
11	SSE	S	SW	S	(VA)	W	SSW	SW	(VA)	WSW	NNE	NNW	NW	NNW	W	W	W	W	W	W	W	W	W	W	W
12	SW	E	(VA)	(VA)	(VA)	W	ENE	(VA)	ENE	ENE	WSW	W	ENE	NW	W	W	W	W	W	W	W	W	W	W	W
13	(VA)	(VA)	(VA)	E	ESE	SE	ENE	E	E	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	ENE	S	SE	S	SW	(VA)	SE	WSW	NNE	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SE	SE	NE	(VA)	SE	NNW	SSW	SW	(VA)	ENE	NNW	NNW	NW	NNW	W	W	W	W	W	W	W	W	W	W	W
16	SSE	SW	S	(VA)	(VA)	(VA)	(VA)	(VA)	SW	ESE	NE	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W
17	NNE	ESE	WSW	(VA)	(VA)	W	SSW	S	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	(VA)	SE	SSE	(VA)	(VA)	(VA)	(VA)	S	ESE	E	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
19	ENE	SSE	SE	NE	NNW	ENE	SE	SSW	NE	(VA)	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	SE	ESE	ESE	ESE	(VA)	SE	SSW	NE	(VA)	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	S	SE	(VA)	(VA)	SSE	(VA)	S	(VA)	SE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	(VA)	ESE	S	SW	SW	NE	WSW	WSW	NE	NNE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	WSW	S	SE	(VA)	SSW	SSE	SE	S	WSW	RW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	WSW	SSE	SE	ESE	SE	(VA)	ESE	ENE	E	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	SW	(VA)	W	WSW	E	(VA)	ESE	SE	(VA)	E	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SSE	SE	SE	SSE	NNW	SE	(VA)	E	S	ESE	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SSE	(VA)	NE	(VA)	(VA)	(VA)	SSW	E	SSW	(VA)	ENE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
28	ESE	E	SSE	ENE	(VA)	NW	W	(VA)	SW	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	(VA)	(VA)	(VA)	SSE	ESE	SE	(VA)	ENE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
30	SW	E	ESE	WSW	ENE	ENE	WSW	NE	(VA)	NW	(VA)	N	NNW	NNW	N	W	W	W	W	W	W	W	W	W	W
31	SE	SE	WSW	E	E	(VA)	(VA)	(VA)	(VA)	NE	NE	NNW	N	NW	NNW	W	WSW	N	S	WSW	SSE	SE	SE	WSW	(VA)
PV	SE	SE	SE	(VA)	(VA)	SE	SSW	S	RW	ENE	W	W	(VA)	NNW	NNW	W	WSW	SW	SE	SE	S	SE	SSW	W	W

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

JAN. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	-7	-6	-7	-7	-7	-7	-8	-7	-7	-6	-5	-5	-5	-4	-5	-5	-5	-6	-6	-7	-7	-7	-7	-7	-6	-6	
2	-7	-7	-7	-7	-7	-6	-7	-7	-6	-6	-5	-5	-5	-4	-5	-5	-6	-6	-7	-7	-7	-7	-8	-8	-6	-6	
3	-8	-8	-8	-8	-9	-9	-10	-9	-9	-9	-8	-7	-6	-6	-7	-7	-7	-7	-7	-8	-8	-8	-8	-9	-8	-6	
4	-9	-8	-8	-8	-9	-9	-9	-9	-9	-8	-7	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-9	-9	-9	-8	-7	
5	-9	-9	-9	-9	-10	-10	-10	-10	-10	-9	-8	-7	-7	-7	-7	-7	-7	-8	-9	-9	-9	-9	-9	-9	-8	-7	
6	-4	0	3	-1	-7	-6	-2	-6	-2	0	1	2	2	1	0	-2	-3	-4	-4	-5	-5	-5	-5	-6	-2	3	
7	-6	-6	-6	-7	-7	-7	-8	-7	-8	-8	-4	-1	0	1	1	0	0	-1	-2	-3	-4	-3	-1	-1	-4	1	
8	-1	-1	-1	-1	-1	-1	-3	-2	0	(MT)	(MT)	1	0	0	1	2	3	5	4	3	4	4	4	4	1	5	
9	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	
10	5	5	5	5	5	4	5	5	5	6	6	7	6	2	1	0	-1	-3	-3	-4	-4	-5	-6	-6	2	7	
11	-6	-7	-8	-8	-8	-9	-9	-12	-12	-10	-9	-8	-8	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-8	-6	
12	-7	-6	-6	-6	-6	-6	-6	-7	-7	-7	-6	-6	-5	-4	-5	-4	-5	-4	-5	-4	-5	-5	-6	-6	-2	7	
13	-2	-3	-4	-2	-1	-2	1	3	2	1	3	4	3	2	4	4	4	4	4	4	3	2	1	1	1	1	2
14	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9
15	2	2	2	3	3	2	2	0	0	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
16	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
17	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	2
18	0	0	-1	-1	-1	0	0	0	0	0	1	2	3	3	2	3	2	2	2	1	1	0	0	0	0	0	2
19	-3	-4	-4	-5	-5	-5	-5	-6	-7	-6	-5	-4	-4	-4	-4	-4	-5	-5	-6	-6	-6	-6	-6	-6	-6	-3	
20	-8	-8	-7	-7	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	
22	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
23	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	
24	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	
25	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-5	-4	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	
26	-7	-8	-8	-8	-9	-9	-9	-10	-9	-8	-7	-6	-5	-4	-3	-4	-5	-6	-6	-6	-6	-6	-6	-6	-6	-6	
27	-12	-11	-11	-11	-11	-11	-11	-12	-11	-10	-9	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	
28	-5	-5	-5	-5	-6	-6	-6	-7	-7	-7	-7	-6	-5	-5	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	
29	-7	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	
30	-5	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	
31	-14	-14	-15	-15	-15	-15	-16	-16	-16	-15	-15	-13	-13	-11	-11	-11	-12	-12	-14	-14	-14	-14	-14	-14	-14	-14	
AV	-4	-4	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-3	-2	-2	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	
SD	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5	

ABOUT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

FEB. 1960

AEROSCIENCE INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-14	-14	-14	-14	-14	-15	-14	-15	-14	-14	-12	-11	-11	-10	-10	-10	-10	-11	-10	-11	-6	-11	-11	-11	-12	-6	
2	-12	-11	-13	-14	-14	-13	-14	-14	-13	-11	-10	-10	-9	-7	-7	-6	-7	-8	-9	-9	-9	-9	-9	-9	-9	-10	-6
3	-9	-9	-9	-9	-9	-10	-9	-9	-9	-7	-7	-6	-5	-3	-3	-3	-5	-6	-7	-7	-7	-7	-7	-7	-7	-7	-3
4	-6	-3	-5	-6	-6	-6	-7	-8	-7	-6	-5	-2	-1	-2	-2	-2	-2	-2	-3	-4	-4	-5	-6	-5	-4	-2	
5	-6	-7	-6	-6	-7	-8	-8	-9	-8	-6	-4	-4	-3	-2	-2	-2	-2	-4	-5	-5	-7	-7	-7	-7	-6	-2	
6	-7	-6	-6	-7	-7	-8	-8	-8	-7	-6	-6	-6	-4	-4	-4	-5	-5	-5	-6	-6	-6	-6	-6	-5	-6	-0	
7	-4	-5	-5	-5	-6	-6	-5	-6	-5	-5	-3	-2	-1	0	1	0	0	-1	-2	-3	-3	-4	-5	-5	-3	1	
8	-5	-6	-7	-8	-8	-9	-10	-9	-9	-9	-8	-8	-7	-6	-6	-7	-8	-8	-8	-9	-9	-9	-9	-10	-9	-5	
9	-13	-12	-14	-14	-15	-15	-15	-15	-13	-12	-11	-10	-9	-8	-7	-8	-11	-12	-12	-12	-13	-13	-13	-13	-12	-7	
10	-13	-13	-13	-15	-14	-13	-14	-16	-15	-14	-12	-11	-9	-8	-8	-10	-10	-10	-12	-12	-13	-13	-13	-12	-12	-8	
11	-12	-13	-13	-13	-14	-14	-14	-14	-13	-12	-10	-10	-8	-6	-6	-7	-7	-7	-8	-9	-10	-11	-11	-11	-10	-6	
12	-10	-10	-10	-12	-11	-12	-13	-13	-12	-11	-10	-8	-6	-5	-5	-5	-6	-7	-8	-9	-10	-11	-11	-11	-10	-6	
13	-10	-10	-10	-10	-11	-10	-11	-10	-9	-9	-7	-5	-4	-3	-2	0	-2	-3	-4	-4	-6	-7	-7	-9	-9	-5	
14	-6	-7	-6	-6	-6	-6	-6	-5	-5	-3	-2	-2	-2	-2	-1	-1	-1	-2	-3	-4	-7	-7	-7	-6	-7	0	
15	-3	-2	-2	-3	-3	-3	-3	-2	-4	-2	0	2	3	4	4	4	1	-2	-2	-1	-1	-1	-2	-3	-4	-1	
16	-3	-2	-4	-4	-4	-5	-3	-1	-3	-4	-1	1	1	1	1	1	0	-1	-2	-2	-1	-2	-2	-3	-4	-1	
17	-2	-2	-2	-2	-2	-3	-3	-2	-3	-4	-1	0	1	1	1	1	0	-1	-1	-1	-1	-2	-2	-2	-2	1	
18	5	5	3	3	3	4	4	4	4	3	7	8	9	9	9	9	9	8	8	8	7	7	7	7	7	9	
19	5	5	3	3	3	3	3	3	2	3	4	5	5	7	6	7	7	5	5	5	5	4	4	4	4	9	
20	2	2	3	3	3	3	3	3	2	3	4	5	5	5	7	7	7	5	5	5	5	4	4	4	4	7	
21	4	3	2	2	1	2	3	4	5	5	3	3	3	5	6	6	5	3	2	1	1	0	0	0	0	6	
22	0	0	0	0	0	0	0	1	2	3	3	5	5	6	7	6	6	5	4	4	4	4	4	2	1	3	
23	1	1	1	1	1	1	0	1	1	2	2	3	3	6	5	4	3	3	2	2	0	0	0	0	0	6	
24	0	0	0	-1	-1	-2	-2	-2	-2	-1	0	1	2	3	4	4	3	3	2	2	2	2	2	1	1	4	
25	0	-1	-1	-2	-3	-3	-3	-3	-2	-1	-1	0	1	2	3	4	4	4	3	2	2	1	1	1	1	4	
26	0	0	0	-1	-1	-1	-1	-2	0	0	1	2	4	5	6	6	7	6	5	5	5	4	4	4	4	7	
27	3	2	2	2	0	1	1	2	4	4	6	7	8	9	10	10	9	9	7	7	6	6	6	6	5	10	
28	5	4	3	3	4	1	0	1	2	4	4	6	7	8	9	9	9	9	9	8	5	4	4	4	5	9	
29	4	3	3	3	3	3	3	3	3	4	4	5	5	6	6	6	6	6	5	4	3	3	3	2	2	8	
AV	-4	-4	-4	-4	-5	-5	-5	-5	-4	-4	-2	-1	-1	0	0	1	0	-1	-1	-2	-2	-3	-3	-3	-3	1	
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

TEMPERATURE (CCI031)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

MAR. 1980

AFROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2	1	1	1	0	0	0	0	1	1	3	3	4	5	5	6	6	5	5	4	4	3	3	3	3	6
2	2	1	1	-1	0	-1	-2	-1	-1	0	1	2	4	7	7	7	7	6	6	6	6	5	5	5	5	6
3	4	4	3	3	2	2	3	3	2	4	4	7	7	7	7	8	9	8	3	3	3	4	4	4	4	7
4	4	4	4	4	4	4	3	3	5	5	5	6	6	7	7	8	9	8	6	6	5	5	4	4	4	9
5	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	7	7	6	6	6	6	6	5	5	5	6
6	5	5	5	2	1	1	1	2	2	3	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	5
7	1	1	1	1	0	0	0	1	1	2	3	3	2	2	3	4	4	4	3	3	3	3	2	2	2	9
8	2	2	1	1	1	0	0	1	2	3	3	3	4	5	5	6	6	5	4	4	4	3	3	2	2	6
9	1	1	1	0	0	-1	1	2	3	4	5	6	6	7	7	8	9	9	7	6	5	4	3	3	3	7
10	3	3	2	2	2	1	1	0	3	3	4	5	6	7	8	9	9	7	6	5	4	4	3	3	3	9
11	3	2	2	2	1	1	1	0	0	2	3	4	5	6	7	8	7	6	5	4	4	3	3	3	3	8
12	4	3	1	1	1	0	-1	-1	-2	0	1	2	3	3	3	3	3	2	1	0	-1	-1	-1	-1	-1	4
13	-2	-2	-3	-3	-3	-3	-4	-4	-2	0	2	3	5	7	8	9	9	8	7	6	6	6	6	6	6	9
14	4	4	4	3	5	5	3	4	5	7	10	10	11	12	13	12	12	11	10	10	10	9	9	9	9	13
15	9	9	8	8	8	8	8	8	7	8	9	10	10	10	10	10	11	11	9	7	6	6	6	6	6	11
16	2	1	0	-1	-1	-2	-3	-3	-2	-1	0	1	1	1	1	1	1	0	-1	-2	-3	-3	-3	-3	-3	2
17	-4	-4	-6	-7	-7	-7	-7	-7	-5	-2	0	2	3	4	5	6	6	5	4	3	2	2	1	1	1	6
18	1	1	1	2	0	-3	-3	-3	-1	1	3	4	6	7	8	9	9	7	7	7	6	5	4	4	4	9
19	3	3	3	3	2	1	2	2	3	4	6	7	8	9	10	10	10	9	7	6	4	3	2	2	2	5
20	2	2	1	1	1	-1	-2	-1	2	4	5	7	8	9	10	11	11	10	9	8	8	7	6	5	5	11
21	7	7	7	7	7	7	6	6	6	9	10	11	11	11	11	11	11	10	9	8	3	3	2	2	1	7
22	1	1	1	1	1	1	1	1	2	1	3	4	5	6	6	6	5	4	4	3	3	2	2	2	2	6
23	1	1	0	0	0	0	0	1	1	3	5	7	8	9	10	10	9	8	7	7	7	5	4	4	4	9
24	3	3	1	1	1	1	1	1	3	5	6	7	8	9	10	10	9	8	7	6	5	4	4	4	4	9
25	1	0	0	-1	-1	-1	-1	-1	-2	-2	-2	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	9
26	-2	-3	-3	-3	-3	-3	-4	-4	-3	-1	0	1	2	3	4	4	4	3	2	1	0	0	0	0	0	4
27	-1	-1	-1	-2	-2	-2	-2	-1	-1	3	4	5	6	6	6	6	5	1	0	0	0	0	0	0	0	6
28	-1	-1	-1	-2	-2	-2	-2	-1	0	2	3	4	4	4	4	4	3	2	2	1	1	1	1	1	1	4
29	1	0	0	0	0	-1	-1	-1	1	2	4	4	5	6	6	7	7	7	6	5	4	4	3	3	3	7
30	2	3	3	2	2	2	1	1	1	2	4	5	6	6	6	7	7	6	5	4	4	3	3	3	3	7
31	-8	-7	-8	-10	-9	-9	-9	-9	-6	-4	-4	-3	-2	-1	-1	0	0	-5	-5	-5	-5	-5	-6	-6	-6	1
AV	2	2	1	1	0	0	0	0	1	2	3	4	5	5	6	6	6	5	4	4	3	3	2	2	2	3
90	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3

ABOUT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

APR. 1980

AEROVIRONMENT INC.

* FIPAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-3	-2	-2	-2	-2	-3	-2	-1	-1	1	1	2	2	3	3	3	3	2	1	0	0	-1	-1	0	3	
2	-1	-1	-4	-2	-2	-2	-3	-4	-3	-2	-2	-1	-1	0	1	1	2	2	2	1	1	2	0	-1	-2	2	
3	-3	-3	-3	-3	-4	-4	-4	-3	-2	1	2	3	4	5	5	5	6	6	5	5	4	4	4	4	5	6	
4	4	4	4	3	2	2	2	4	5	6	6	8	9	11	11	12	12	12	11	10	9	8	8	8	7	12	
5	7	6	7	6	5	5	5	5	6	8	11	13	13	14	14	13	13	12	11	9	8	8	7	7	9	18	
6	6	6	6	5	5	5	6	6	7	8	9	10	10	11	11	11	10	10	9	7	7	6	6	5	5	11	
7	4	3	1	0	0	0	0	0	2	3	4	4	4	5	5	5	4	4	2	2	1	0	0	-1	-1	5	
8	-1	-1	-2	-2	-3	-3	-3	-2	-1	2	4	6	7	8	9	10	10	9	9	8	6	6	6	5	5	10	
9	4	4	4	3	3	2	3	3	5	6	9	11	13	15	15	15	15	15	13	12	12	10	10	9	9	15	
10	9	9	9	8	6	6	6	6	8	9	10	11	11	11	10	9	8	8	6	5	4	2	2	1	1	11	
11	1	1	1	0	0	-1	-1	-2	-1	1	2	4	5	6	6	6	6	6	4	3	3	2	1	1	0	6	
12	0	0	-1	-1	-2	-2	-2	-1	1	2	4	5	6	6	5	5	5	5	4	3	2	1	1	0	0	2	
13	0	0	-1	-1	-2	-2	-1	1	1	2	14	13	7	8	9	10	10	10	9	8	7	6	6	6	5	14	
14	5	4	3	2	1	1	1	4	6	8	10	12	14	15	15	16	17	16	15	14	13	12	11	11	9	17	
15	11	10	8	6	6	4	5	8	9	11	13	15	17	17	17	18	18	16	12	13	12	11	10	9	12	18	
16	8	7	6	6	4	5	8	9	11	12	13	15	15	16	16	16	16	14	12	13	12	11	10	9	11	21	
17	9	7	7	5	5	4	3	5	8	10	12	15	16	18	19	19	19	19	18	17	16	14	13	13	12	19	
18	12	10	10	9	8	7	6	7	10	13	15	18	20	21	22	22	22	21	20	18	18	16	15	15	15	22	
19	13	11	10	9	8	7	9	10	12	15	17	20	22	23	23	23	23	23	21	20	18	17	17	17	16	23	
20	14	13	13	12	10	10	10	12	13	16	19	22	24	24	24	24	24	24	22	21	18	17	17	17	16	24	
21	17	19	18	17	17	16	15	17	19	19	20	20	20	20	16	17	16	14	11	12	11	11	11	10	10	20	
22	10	9	9	8	8	8	8	9	11	12	15	16	17	17	19	19	18	17	16	15	14	14	13	13	13	19	
23	12	11	11	12	12	11	11	10	9	10	12	13	13	13	13	13	13	13	13	13	13	12	11	10	10	13	
24	8	8	7	7	7	7	8	8	9	10	12	14	15	16	17	17	17	16	14	13	13	12	11	10	10	15	
25	9	9	8	7	7	7	7	8	9	11	12	14	15	16	17	17	17	16	14	13	13	12	11	10	10	17	
26	10	9	9	8	7	7	7	8	9	10	12	13	14	15	16	17	17	16	14	13	13	12	11	10	10	17	
27	11	10	9	8	7	7	8	9	10	12	13	14	15	16	17	17	16	14	13	13	12	11	10	10	10	17	
28	14	14	13	12	12	11	11	11	14	16	18	19	20	20	20	20	20	19	19	18	17	16	15	15	13	19	
29	15	13	13	13	12	12	13	13	14	16	18	19	20	20	20	20	20	19	19	18	17	16	15	15	13	20	
30	10	9	8	8	8	8	8	9	9	10	11	12	10	9	11	12	12	11	10	9	9	9	9	9	9	10	21
AV	7	7	6	6	5	5	5	6	7	9	10	12	12	13	14	14	13	13	12	11	10	9	9	8	8	9	11
SD	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	11

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#119

BONANZA, UTAH

SITE 4

MAY, 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	9	9	9	9	9	9	9	11	12	13	14	15	16	14	14	14	14	14	12	11	11	11	10	12	16	
2	10	10	10	10	10	10	10	10	12	13	15	15	15	16	16	17	16	15	15	14	13	12	12	11	10	12	17
3	11	11	11	11	11	11	11	11	13	16	17	18	19	19	20	21	20	18	17	16	14	13	13	13	13	14	21
4	13	12	12	12	11	11	11	12	13	15	17	18	19	20	21	20	20	18	17	15	14	11	10	10	10	15	21
5	11	10	10	10	9	9	10	11	12	13	14	15	16	17	17	15	15	15	15	14	14	14	13	13	13	17	
6	11	12	11	11	11	11	11	12	13	15	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7	12	12	12	12	11	10	11	11	13	14	14	14	15	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8	10	10	9	10	10	10	10	11	12	14	14	14	15	17	18	17	18	17	16	11	11	10	12	11	12	18	
9	11	10	11	11	10	9	10	13	15	15	15	13	13	14	15	14	12	10	9	9	9	8	8	8	11	15	
10	8	8	8	10	9	6	6	7	10	13	14	14	14	14	15	16	15	15	11	9	8	7	7	7	11	16	
11	8	7	6	6	5	4	4	5	6	7	8	7	7	9	9	7	8	6	5	5	6	5	4	4	6	9	
12	4	4	4	4	4	4	4	5	5	6	6	7	8	9	10	9	9	7	5	5	5	5	5	5	6	10	
13	5	5	4	4	4	3	4	6	7	7	9	10	11	12	12	10	11	11	10	10	10	9	9	7	8	12	
14	7	6	6	5	5	5	7	8	9	11	12	14	14	15	14	15	14	12	11	11	11	9	9	8	10	15	
15	8	7	7	7	6	6	7	8	9	12	13	14	15	15	15	15	15	16	15	13	13	12	11	11	11	16	
16	11	11	10	9	8	9	10	10	12	13	14	16	15	15	14	15	14	12	10	7	6	7	7	6	11	14	
17	5	5	5	5	4	4	5	6	6	6	7	8	9	10	10	11	10	10	10	10	9	9	8	8	8	11	
18	7	7	7	6	6	5	6	8	10	12	13	15	16	16	17	18	17	16	17	16	15	15	14	13	12	18	
19	12	11	10	10	10	10	12	14	15	17	18	19	20	21	21	21	21	21	20	19	18	17	17	17	16	21	
20	16	15	14	13	12	12	11	13	15	17	18	20	21	22	23	23	23	23	22	21	20	19	18	18	18	23	
21	17	15	14	14	13	12	13	14	16	18	20	23	24	25	26	26	26	26	25	24	23	21	20	20	20	26	
22	19	18	17	15	14	14	14	17	17	18	19	23	26	27	27	26	26	23	20	19	18	17	17	17	17	27	
23	17	17	15	15	14	13	13	14	15	16	17	18	19	19	20	20	20	20	17	15	15	16	16	16	17	20	
24	16	15	15	14	13	13	14	15	15	15	14	15	16	13	11	10	9	8	9	7	6	6	6	5	12	16	
25	5	5	5	5	5	5	5	6	7	7	8	8	10	11	9	7	6	6	6	5	6	6	5	4	7	11	
26	4	4	5	3	4	9	6	7	9	11	13	15	16	17	18	18	18	17	15	14	10	10	13	12	12	18	
27	11	11	10	11	7	10	12	14	17	18	19	20	20	21	22	22	21	20	19	18	17	17	16	15	16	22	
28	15	15	12	12	11	11	12	15	17	18	18	19	20	21	21	21	21	21	21	21	19	18	18	15	16	22	
29	13	12	11	11	10	10	9	9	11	13	15	16	17	18	18	18	18	19	18	17	16	16	14	13	12	19	
30	11	11	11	10	10	10	10	11	13	15	17	19	20	20	22	22	22	22	21	20	19	17	15	14	16	22	
31	14	11	12	13	14	13	11	12	12	14	16	18	18	19	20	20	21	21	20	18	16	16	14	13	16	21	
AV	11	10	10	10	9	9	9	10	11	13	14	15	16	16	17	17	16	15	13	13	13	12	12	11	13	11	
SD	4	4	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	11	

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUN. 1980
 AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK
1	13	12	11	11	10	11	11	13	15	16	17	17	17	19	20	17	16	16	13	12	12	11	10	10	10
2	9	9	8	7	7	10	12	14	16	19	19	19	19	20	21	22	22	22	21	20	19	19	18	18	16
3	17	17	17	17	17	16	16	18	19	20	21	23	23	24	24	25	25	25	24	23	21	20	19	20	20
4	18	19	18	17	16	15	16	17	19	20	21	23	24	25	26	26	26	26	25	23	22	21	20	21	24
5	19	18	17	16	15	14	15	16	17	19	20	22	23	24	25	26	26	26	25	23	22	21	20	21	24
6	14	17	17	17	17	17	17	19	20	21	22	23	24	24	25	25	25	23	21	20	18	17	17	15	20
7	14	14	13	13	10	11	12	13	15	17	19	21	22	23	24	24	24	24	24	22	21	19	18	18	25
8	18	16	15	14	13	12	14	16	17	19	21	24	26	27	27	28	27	27	26	25	24	23	22	20	21
9	20	18	17	16	14	15	15	17	19	20	23	25	27	28	29	29	29	28	26	25	24	23	22	22	29
10	21	19	18	17	16	16	16	18	20	22	26	28	30	31	30	30	30	29	28	26	25	24	23	22	31
11	24	24	21	20	19	20	21	22	24	24	26	27	27	28	29	29	29	28	26	25	24	23	22	24	29
12	22	21	20	20	19	20	21	22	23	24	24	26	27	27	27	27	27	27	26	25	24	23	22	21	24
13	20	17	16	15	14	15	16	16	19	22	24	25	26	27	28	28	28	27	25	24	24	22	21	21	24
14	23	23	22	19	17	17	18	21	23	24	24	25	26	27	28	28	28	28	27	25	24	23	22	22	27
15	14	13	12	11	10	11	12	13	15	16	18	19	20	21	21	22	22	22	22	20	19	17	16	15	17
16	16	16	15	15	14	15	17	18	21	23	24	25	26	27	28	28	28	27	25	24	23	22	21	21	24
17	16	16	16	15	14	14	15	17	19	21	24	26	27	28	29	29	29	28	27	25	24	23	22	22	27
18	22	22	20	20	17	19	19	20	22	24	27	28	29	30	31	30	30	30	29	28	27	25	24	24	25
19	22	21	20	21	20	20	20	22	24	25	26	27	28	29	29	29	29	28	27	25	24	23	22	21	24
20	21	19	18	18	16	16	17	19	21	23	25	27	28	30	31	31	30	30	29	28	26	25	24	24	31
21	22	21	22	21	20	19	19	21	23	25	27	28	29	29	30	31	31	30	29	28	26	25	24	24	31
22	22	21	21	18	18	18	19	20	21	23	26	28	29	30	30	31	31	30	29	27	26	24	24	25	29
23	25	25	24	24	23	22	22	25	26	27	28	29	30	31	32	31	31	30	28	27	26	25	24	27	32
24	23	21	20	19	19	18	19	20	21	23	26	27	28	29	30	30	30	28	27	26	25	24	23	24	30
25	23	23	23	19	19	18	19	20	23	26	28	29	30	31	32	31	31	30	28	27	26	25	24	24	32
26	25	25	24	22	20	20	22	24	26	27	29	30	32	32	32	32	31	29	28	27	26	25	24	27	32
27	23	21	20	19	18	18	18	19	21	22	25	27	28	29	30	30	29	28	27	26	25	24	23	24	29
28	19	17	17	16	15	15	16	16	18	19	21	23	25	27	28	30	30	30	29	28	27	26	25	24	30
29	23	23	22	20	19	20	21	23	26	26	29	31	32	32	33	34	33	30	29	28	27	26	25	27	34
30	25	25	24	22	22	22	22	24	25	24	23	24	24	26	27	28	29	29	28	28	27	26	25	24	29
AV	20	19	18	17	16	16	17	19	20	22	24	25	26	27	28	28	28	27	26	25	24	22	22	21	22
SD	4	4	0	4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	4

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUL, 1960
 AEROVIRONMENT INC.

TEMPERATURE (CCI03)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	16
3	20	18	17	17	17	16	17	19	21	22	24	25	25	26	27	29	28	29	29	27	25	23	21	19	19	21
4	20	18	17	17	18	18	19	20	22	23	25	26	27	28	29	29	29	29	29	28	27	25	24	24	24	23
5	23	23	20	20	15	17	24	22	24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	23
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	21
7	25	25	24	23	22	21	21	21	21	22	24	26	28	31	31	32	32	31	30	29	28	28	28	27	27	32
8	19	19	19	19	18	18	19	21	22	24	26	28	29	29	29	29	29	29	29	29	29	29	29	29	29	24
9	17	17	17	16	15	15	16	18	19	21	24	26	28	30	30	30	31	30	30	29	29	27	27	25	24	29
10	24	23	23	23	19	19	21	23	26	27	29	31	32	31	32	32	32	30	27	28	27	26	25	24	26	31
11	25	24	23	24	25	24	26	27	29	31	31	32	30	30	30	30	31	30	29	28	27	26	25	25	27	32
12	25	24	23	24	25	24	26	27	29	31	31	32	30	30	30	30	30	29	28	27	26	25	24	23	26	30
13	23	22	21	22	22	22	21	22	24	26	27	28	28	28	29	29	29	29	29	29	29	29	29	29	29	24
14	20	19	19	18	19	20	21	23	25	26	27	27	27	28	29	29	29	29	29	29	29	29	29	29	29	29
15	21	22	22	20	20	20	21	23	24	26	27	28	29	30	31	31	31	31	30	28	27	26	25	25	26	31
16	23	22	21	20	19	19	19	21	23	25	27	28	29	30	31	32	32	32	31	30	28	27	25	25	26	31
17	24	24	23	22	22	21	20	22	24	26	28	30	32	33	34	35	35	34	32	31	30	29	28	27	28	35
18	26	25	24	23	22	22	22	23	24	26	28	30	31	33	34	34	34	33	33	32	31	29	29	27	28	34
19	28	27	26	25	26	24	25	26	27	28	29	30	31	32	32	32	31	31	30	29	28	26	25	25	28	32
20	24	23	21	21	19	20	19	20	21	22	25	27	29	30	31	31	31	31	30	29	28	27	26	25	25	31
21	24	23	21	21	19	20	19	20	22	25	27	29	30	31	33	33	33	32	31	30	28	28	26	25	27	33
22	24	23	23	23	21	20	20	22	25	27	30	32	33	34	34	34	34	34	32	31	29	29	28	28	28	34
23	27	27	25	25	25	24	26	27	29	31	32	33	33	33	33	33	33	32	31	29	28	26	25	25	27	33
24	23	22	22	21	20	20	21	23	25	28	31	32	33	34	34	34	34	34	32	31	29	29	28	28	28	34
25	19	18	18	18	15	15	17	19	20	23	26	28	30	31	31	31	31	29	27	27	26	25	25	25	27	33
26	21	22	21	20	18	18	18	19	21	24	26	29	30	32	32	32	32	30	29	27	26	24	24	24	24	32
27	22	23	22	20	19	19	17	21	23	25	28	29	30	31	31	31	31	30	29	28	26	24	23	23	25	33
28	24	22	21	20	20	20	21	22	24	28	30	31	32	34	34	34	34	34	32	31	29	28	26	25	26	32
29	25	25	25	25	23	24	26	27	29	31	32	34	34	34	34	34	34	34	32	31	29	28	26	25	27	34
30	22	21	21	21	20	19	19	22	24	25	27	28	29	30	31	30	31	31	29	28	27	26	24	24	25	31
31	23	21	21	20	19	19	19	21	23	25	27	29	30	31	31	31	31	30	29	29	27	27	27	26	26	31
AV	23	22	21	21	20	20	20	22	23	25	27	28	29	30	30	30	30	30	29	28	27	25	24	24	25	11
SD	3	3	2	3	3	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	11

TEMPERATURE (CC:03)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BORGANZA, UTAH

SITE #

AUG. 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	25	24	24	22	22	22	22	22	23	25	26	30	31	32	31	32	31	26	27	26	25	24	24	24	26	32
2	25	23	22	21	21	20	21	22	23	25	26	29	30	31	32	31	32	31	32	32	30	28	28	28	26	32
3	25	24	22	21	21	20	22	22	25	27	29	31	32	32	33	32	31	30	29	27	26	25	24	23	26	33
4	22	20	20	19	18	18	19	19	21	22	24	26	27	28	29	30	30	30	29	27	25	24	23	23	24	30
5	21	21	20	18	17	18	18	20	21	23	26	28	30	32	31	33	33	33	33	30	29	28	27	27	26	33
6	26	26	24	24	24	23	23	24	27	28	30	31	32	33	33	34	34	33	32	31	29	28	28	26	24	33
7	25	25	24	25	23	22	23	26	27	28	30	31	32	33	33	34	34	33	32	31	30	29	28	26	24	33
8	27	27	26	22	21	20	26	22	25	26	29	31	33	34	34	34	34	34	32	31	30	29	29	29	29	34
9	27	26	25	24	23	24	24	25	27	29	31	32	32	33	33	33	33	33	32	30	29	28	26	26	29	33
10	25	23	23	22	20	20	20	21	24	26	28	30	31	32	32	32	32	31	29	27	26	26	26	24	27	32
11	24	23	22	19	18	17	17	19	20	22	25	27	29	30	31	31	31	32	31	29	28	27	26	25	25	32
12	24	23	21	22	18	19	21	24	27	29	30	31	31	33	33	32	30	28	27	26	25	24	24	23	26	33
13	24	23	22	22	22	23	22	21	24	27	28	30	31	31	29	28	24	22	23	23	22	21	20	20	24	31
14	20	21	20	19	16	16	18	20	22	24	25	27	27	29	28	29	29	29	28	23	20	20	19	20	24	29
15	18	16	15	15	14	15	15	16	17	20	21	16	20	23	23	22	21	19	16	16	15	16	15	15	17	23
16	14	14	15	15	14	14	14	15	17	18	20	20	21	23	23	24	24	24	23	22	20	19	18	17	19	24
17	16	16	15	14	14	14	14	15	16	18	21	23	25	26	26	26	26	28	27	26	24	24	23	21	21	28
18	21	21	18	19	19	18	18	19	22	26	27	27	28	28	29	29	29	28	27	25	25	24	23	23	24	29
19	22	21	20	20	19	18	19	20	22	26	27	27	28	28	29	29	29	28	27	25	25	24	23	23	24	29
20	12	11	10	10	9	9	10	11	13	15	17	18	20	21	22	23	24	24	23	22	20	19	19	18	17	24
21	17	17	16	15	13	13	13	14	17	18	20	22	24	26	26	28	27	27	26	25	24	23	22	22	21	28
22	21	19	19	17	17	16	16	17	19	22	26	28	29	29	30	29	29	29	28	27	26	25	25	25	21	28
23	25	24	23	22	22	22	22	23	24	26	26	26	24	24	24	24	16	16	15	15	16	16	17	17	21	26
24	17	16	15	15	15	15	16	16	16	18	19	20	20	19	21	21	23	21	22	19	18	17	16	16	18	23
25	15	16	15	15	15	15	16	16	17	18	19	20	18	15	15	15	14	15	15	14	14	14	14	14	15	20
26	12	12	13	12	13	13	13	13	15	17	18	20	21	22	23	23	23	21	21	19	18	17	17	17	17	23
27	15	15	14	13	13	12	12	14	15	17	19	21	23	25	26	27	27	26	24	23	22	22	22	21	20	27
28	21	21	18	18	18	17	17	18	19	21	24	26	27	27	28	28	28	27	26	25	24	24	24	23	23	28
29	23	22	21	20	20	20	20	21	24	23	25	25	25	25	26	26	26	26	26	25	23	23	22	22	23	28
30	21	17	17	17	17	18	18	17	18	19	21	21	22	23	23	23	24	22	21	20	18	18	18	17	19	24
31	15	15	13	12	11	12	12	12	14	15	15	16	17	17	19	20	20	19	18	16	16	16	15	14	15	20
AV	21	20	19	18	16	16	16	19	21	22	24	25	26	27	27	27	27	26	25	24	23	22	22	21	23	1
SD	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	6	5	5	5	5	4	1	1

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP. 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	14	13	12	13	12	11	11	12	14	15	16	20	21	22	23	24	24	24	24	23	22	20	20	20	18	24	
2	19	18	18	17	14	14	15	15	18	20	22	24	26	27	28	28	28	27	26	25	24	23	22	21	22	28	
3	21	21	21	19	18	19	19	20	22	24	25	26	27	28	28	28	28	28	26	24	24	23	22	21	22	28	
4	22	19	17	16	15	14	14	16	18	20	22	24	26	28	29	29	29	28	26	24	24	22	21	20	23	29	
5	20	20	18	17	16	17	16	17	19	21	23	25	26	28	29	29	29	28	27	26	25	24	23	23	23	29	
6	23	21	22	22	22	22	22	22	23	23	26	27	28	28	28	27	27	26	25	24	23	22	22	22	24	28	
7	21	20	20	19	18	18	18	17	17	16	15	16	17	18	20	15	16	16	16	15	15	15	15	15	17	21	
8	14	13	13	13	13	14	13	13	14	14	14	14	15	17	19	19	19	18	18	17	17	17	17	17	16	19	
9	16	16	16	15	15	14	14	14	15	16	16	17	17	17	19	18	17	16	16	15	14	14	14	14	16	19	
10	14	14	14	14	14	14	14	14	15	16	16	17	17	17	19	18	17	16	16	15	15	15	15	15	16	20	
11	13	12	12	12	12	12	13	15	15	16	16	17	17	17	19	20	20	17	17	17	16	15	15	15	16	20	
12	14	14	14	14	14	14	14	14	16	16	17	18	19	20	21	21	21	19	19	18	15	16	17	16	15	16	21
13	14	14	15	13	13	13	13	13	14	17	19	23	24	24	25	25	25	24	22	22	21	20	19	18	19	25	
14	19	20	18	19	19	19	17	18	19	22	24	24	24	24	24	24	24	23	23	22	21	20	17	16	21	28	
15	17	15	15	15	14	13	13	14	15	18	19	21	23	24	25	26	25	25	23	22	21	21	21	21	19	26	
16	20	19	19	18	18	18	17	18	19	20	22	22	23	24	24	25	24	23	22	21	20	19	18	17	20	25	
17	17	17	15	17	16	15	14	14	17	19	21	22	22	24	24	25	26	26	24	23	22	21	20	20	20	26	
18	18	17	16	15	16	14	14	16	16	19	21	25	26	28	29	29	28	27	26	25	25	26	25	24	22	29	
19	23	23	23	22	22	21	21	21	23	24	25	27	27	27	26	26	26	23	22	21	21	18	16	14	13	22	27
20	12	12	11	11	11	10	10	11	13	14	15	16	17	18	19	20	21	20	19	18	18	18	17	17	15	21	
21	15	14	14	12	12	10	11	11	15	16	16	18	19	20	19	18	16	15	15	14	12	12	11	10	18	20	
22	10	9	9	9	8	8	7	6	8	10	12	14	15	15	16	16	16	16	15	14	13	12	11	10	12	16	
23	10	9	9	8	8	8	7	6	10	10	13	15	17	19	20	20	20	18	17	16	15	14	13	12	11	16	
24	13	12	12	11	11	10	9	10	13	15	16	17	18	19	20	20	21	20	19	18	17	15	16	15	15	21	
25	13	13	13	13	12	11	10	9	10	12	14	17	18	20	20	20	21	20	19	18	17	15	16	15	15	20	
26	12	12	12	11	11	10	9	10	13	14	16	18	20	22	23	24	24	23	22	21	20	19	19	19	19	24	
27	17	14	14	14	14	14	12	13	15	17	19	21	23	24	25	25	25	24	23	23	20	20	20	18	17	25	
28	18	17	16	15	15	14	13	13	15	17	19	21	23	25	25	26	25	25	24	23	22	21	20	19	20	26	
29	18	17	16	15	14	14	14	14	16	17	19	20	22	23	24	24	24	23	22	21	20	19	18	16	19	24	
30	16	16	15	14	13	10	11	13	16	16	20	22	24	26	27	27	27	26	25	24	22	22	20	20	20	27	
AV	16	16	15	15	14	14	14	14	16	17	19	20	21	22	23	23	23	22	21	20	20	19	18	17	18	1	
SD	4	4	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	1	

TEMPERATURE (CC1031)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 4

OCT. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR {LOCAL STANDARD TIME}

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	17	18	17	16	16	16	16	16	16	16	21	23	25	26	26	26	26	25	24	23	21	21	20	18	20	26	
2	17	16	14	13	12	12	12	12	14	15	16	17	18	19	20	20	20	20	19	18	17	16	15	14	16	20	
3	14	12	12	11	10	10	10	10	11	14	16	18	20	22	23	23	23	23	22	21	20	18	17	15	16	23	
4	16	13	14	13	14	12	10	12	13	15	17	19	21	23	24	24	24	23	22	21	19	18	16	14	18	24	
5	16	14	14	14	12	12	12	13	14	17	19	21	22	23	24	24	24	23	22	21	20	20	18	17	18	24	
6	14	13	13	13	12	12	11	11	14	16	17	19	21	23	23	24	24	23	22	21	19	18	17	16	17	24	
7	15	15	14	13	13	13	11	14	15	18	20	21	23	25	25	25	24	23	22	21	19	18	16	14	18	25	
8	16	16	15	14	14	13	13	12	14	16	18	20	22	23	24	25	25	24	23	22	20	19	17	16	18	25	
9	16	16	15	14	12	12	12	15	14	16	18	21	22	23	24	24	23	22	22	20	19	19	17	16	14	24	
10	16	15	14	12	11	11	11	15	12	14	16	18	19	21	22	22	22	21	18	17	16	15	14	12	15	20	
11	12	12	11	9	9	9	7	8	11	12	14	16	18	19	21	22	22	21	18	17	16	15	14	12	15	20	
12	18	17	16	14	14	14	14	14	14	14	14	11	11	10	9	10	10	10	11	12	11	11	11	11	11	18	
13	11	10	9	8	9	8	9	9	10	11	12	13	14	15	14	14	14	14	14	14	14	10	9	8	9	11	15
14	7	7	7	6	6	6	5	5	6	6	6	6	9	10	12	12	13	9	8	8	7	6	6	4	7	13	
15	5	6	5	6	5	4	3	3	4	6	7	7	7	3	4	4	4	3	3	3	3	3	2	2	2	4	7
16	2	2	2	2	2	2	2	1	1	1	1	2	3	4	5	5	4	3	3	4	5	5	5	4	3	5	8
17	4	4	2	2	3	2	3	2	3	5	5	7	7	7	7	8	7	6	6	6	5	5	4	4	5	8	
18	3	3	2	2	3	3	3	3	4	5	6	6	6	9	10	10	10	10	9	8	7	6	5	5	6	10	
19	6	5	5	5	4	4	4	3	5	6	7	9	10	12	12	12	11	11	11	10	10	9	8	7	8	12	
20	6	5	4	5	5	3	3	4	5	7	8	9	11	12	13	13	13	12	11	10	10	9	8	8	8	13	
21	7	6	6	5	6	3	3	4	6	7	9	11	12	13	14	15	15	14	12	11	11	11	10	10	9	15	
22	10	10	9	9	8	10	10	10	11	13	14	15	15	15	15	14	12	11	9	7	5	4	4	4	10	15	
23	2	2	1	1	0	0	0	0	1	2	3	4	5	5	6	6	6	5	4	4	3	2	2	2	3	6	6
24	1	0	0	-1	0	-1	-2	-1	0	2	4	5	7	9	10	11	10	9	8	7	6	5	5	4	4	11	
25	4	3	2	1	0	1	1	0	4	4	6	7	6	6	9	10	10	9	9	9	9	8	8	6	6	10	
26	6	6	6	5	4	4	4	4	4	4	4	6	6	4	4	4	4	4	4	4	3	3	3	3	5	8	
27	3	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4	4	3	2	2	1	1	0	0	1	4	4
28	-1	-1	-1	-1	-1	-1	-2	-2	0	1	2	3	3	4	5	5	5	4	3	3	2	2	1	1	1	5	
29	1	0	0	0	1	2	3	2	0	2	3	5	7	7	8	9	9	7	7	6	5	4	4	3	4	9	
30	2	2	1	1	0	0	0	0	1	3	5	7	8	10	11	12	11	10	9	9	7	7	6	6	5	12	
31	5	5	3	3	2	3	3	3	2	5	6	9	10	11	13	13	12	11	10	10	9	8	8	7	7	13	
AV	9	8	8	7	7	7	6	6	7	9	10	11	13	13	14	14	13	13	13	12	11	10	10	9	10	11	
SD	6	6	6	5	5	5	5	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	6	6	11	

TEMPERATURE (CC/0.3)

DEGREES CELSIUS

LEVEL HEIGHT 3 10 METERS

WHITE RIVER SHALE PROJECT, #139

HUBANZA, UTAH

SITE # 4

NOV, 1960

AEROVIRONMENT INC.

FINAL DATA

AS OF 00/JUN/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7	6	5	6	5	4	3	3	5	5	7	9	11	12	13	13	13	12	11	11	10	9	9	8	8	13	
2	6	6	6	7	7	5	4	5	5	7	8	10	11	13	15	16	14	12	11	11	11	10	11	9	9	9	
3	9	7	7	7	6	6	7	4	5	6	8	10	13	14	14	14	14	13	12	12	12	11	9	9	9	14	
4	8	7	7	7	7	7	6	4	7	9	10	11	13	14	14	14	14	14	13	12	12	11	10	8	10	14	
5	8	7	7	7	6	5	4	4	6	8	10	11	13	15	16	16	15	14	13	12	11	11	10	9	10	14	
6	8	8	6	7	7	6	5	5	8	10	11	12	13	16	17	16	16	16	14	15	14	14	14	14	11	17	
7	14	11	9	11	11	11	11	9	10	10	13	14	17	20	20	18	18	16	15	15	14	14	14	14	14	20	
8	14	14	13	13	13	13	12	12	12	14	14	15	15	15	15	13	13	12	12	12	11	10	9	9	13	16	
9	9	0	5	6	6	4	4	5	7	9	11	11	13	14	15	16	16	15	15	14	13	12	11	10	10	16	
10	11	9	8	7	8	6	6	7	7	8	9	10	12	14	16	16	16	15	15	14	13	12	12	12	12	10	16
11	14	14	13	11	8	8	7	8	7	8	9	10	12	14	14	16	16	15	15	14	14	15	15	15	15	11	16
12	12	11	12	12	12	12	12	12	13	14	14	14	14	14	14	14	16	16	15	15	14	13	13	12	12	12	16
13	6	6	5	5	4	3	2	1	1	1	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	2	6
14	0	-1	-1	-1	-1	-2	-2	-2	-2	-1	0	0	1	1	1	1	1	0	-1	-2	-2	-2	-2	-3	-1	1	
15	-3	-3	-4	-4	-5	-5	-6	-6	-5	-5	-3	-2	-1	0	0	0	0	-1	-1	-2	-3	-4	-5	-5	-3	0	
16	-5	-6	-6	-6	-6	-7	-7	-7	-6	-5	-4	-3	-2	-1	-1	-2	-2	-3	-3	-3	-4	-4	-5	-4	-4	-1	
17	-5	-5	-5	-7	-7	-8	-8	-8	-7	-5	-3	-2	-1	0	0	0	0	-1	-1	-2	-2	-3	-4	-4	0	0	
18	-4	-5	-7	-7	-6	-7	-8	-8	-6	-5	-3	-2	0	0	1	1	1	0	0	0	-1	-1	-2	-2	0	0	
19	-3	-3	-3	-4	-4	-3	-4	-4	-3	-1	1	2	3	4	4	4	3	2	2	1	0	0	0	0	-1	4	
20	-1	-2	-3	-2	-2	-3	-4	-4	-3	-1	1	2	3	4	4	4	4	3	2	1	1	1	0	0	0	4	
21	-1	-2	-2	-4	-3	-2	-4	-4	-4	-3	-1	1	4	5	5	6	5	4	4	3	4	4	2	2	1	4	
22	3	3	3	3	3	2	3	0	0	1	4	6	6	6	6	6	5	4	4	3	4	4	2	2	1	4	
23	2	2	2	2	1	1	0	0	0	2	3	4	5	5	5	4	4	4	4	3	2	1	0	0	0	4	
24	0	0	0	0	0	0	0	0	0	1	0	1	1	2	2	1	1	1	0	-1	-1	-2	-2	-2	0	2	5
25	-3	-3	-4	-4	-4	-5	-4	-6	-5	-3	-2	-1	-1	-1	-1	-1	0	0	-1	-1	-1	-2	-2	-2	0	2	
26	-3	-3	-3	-3	-5	-6	-6	-6	-5	-5	-2	0	0	0	0	0	0	-1	-2	-2	-3	-3	-3	-3	-1	0	
27	-3	-3	-3	-4	-6	-6	-6	-6	-6	-4	-3	-2	-2	-1	-1	-1	0	0	-1	-2	-3	-3	-3	-3	-3	0	
28	-4	-4	-3	-4	-3	-4	-3	-5	-2	-2	-1	2	4	5	5	5	4	4	5	4	2	1	2	2	0	5	
29	2	1	1	0	0	0	-1	0	-1	0	1	2	3	4	5	5	5	4	4	5	5	5	5	2	4	8	
30	4	4	6	7	7	7	7	8	7	10	11	12	12	12	11	10	10	8	8	9	9	9	8	8	8	12	
AV	3	3	2	2	2	1	1	1	1	2	4	5	6	7	7	7	7	7	6	5	5	5	4	4	4	1	
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	1	

121 JAN 61

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	8	6	5	5	3	2	1	1	2	2	3	4	4	4	4	4	3	3	3	2	2	0	1	0	3	A		
2	0	-1	-1	-1	-1	-1	-2	-1	1	-1	0	1	2	3	5	5	7	5	7	6	5	6	8	8	3	A		
3	6	2	4	5	5	9	4	3	4	3	4	11	14	14	14	12	11	11	10	10	10	10	10	10	10	8	14	
4	10	10	10	10	10	10	10	10	11	10	12	12	11	9	9	8	7	7	7	7	7	7	7	7	7	9	12	
5	6	6	6	6	6	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
6	1	2	1	1	1	1	1	1	1	1	1	3	4	4	4	4	4	4	4	4	3	2	1	1	1	5	6	
7	0	0	-1	-1	-1	-1	-1	-1	0	-1	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-2	-2	-2	2	0	
8	-2	-2	-3	-3	-3	-4	-4	-4	-3	-3	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	
9	-4	-4	-4	-5	-5	-4	-5	-4	-5	-4	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	
10	-3	-4	-5	-5	-6	-5	-7	-6	-5	-4	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	
11	-1	-1	-2	-2	-3	-3	-4	-4	-3	-3	-1	1	2	3	4	4	4	2	2	2	1	1	0	0	0	0	0	0
12	-1	-3	-2	-2	-3	-3	-4	-4	-3	-2	-1	1	2	3	4	4	4	2	2	2	1	1	0	0	0	0	0	0
13	-1	-2	-3	-3	-4	-4	-5	-5	-4	-3	-2	0	2	3	4	4	3	3	3	3	1	1	0	0	0	0	0	0
14	-1	-2	-2	-2	-4	-4	-3	-4	-4	-3	-2	0	2	3	4	4	2	2	2	2	1	1	0	0	0	0	0	0
15	0	0	-1	0	1	0	-1	-1	0	0	1	2	3	5	6	7	7	6	6	6	6	6	6	6	6	6	6	6
16	2	1	1	0	0	0	-1	-1	-2	1	3	4	5	7	7	7	6	5	4	4	4	4	4	4	4	4	4	4
17	1	2	3	3	2	1	-1	-1	1	3	4	5	6	7	8	8	7	6	6	6	6	6	6	6	6	6	6	6
18	2	3	3	2	2	1	1	1	1	3	4	5	6	7	8	8	7	6	6	6	6	6	6	6	6	6	6	6
19	4	4	3	3	2	0	1	1	1	2	3	4	5	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6
20	2	1	0	-1	-1	0	-1	-2	-1	0	1	2	3	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
21	1	1	-1	0	-1	0	-2	-1	0	1	2	4	5	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6
22	5	6	7	7	7	7	5	5	6	4	6	8	10	11	11	11	10	9	9	9	9	9	9	9	9	9	9	9
23	6	6	5	5	2	2	3	3	4	5	5	6	7	8	8	8	7	7	6	6	5	5	5	5	5	5	5	5
24	2	3	2	1	1	1	1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	2	3	1	1	-1	1	3	4	4	6	8	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8
26	8	7	7	5	3	3	2	2	2	5	6	6	8	10	10	10	9	8	8	8	8	8	8	8	8	8	8	8
27	5	4	3	3	2	2	2	2	2	2	4	6	6	8	8	8	7	7	6	6	6	6	6	6	6	6	6	6
28	3	3	4	3	4	4	3	3	3	2	4	6	6	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6
29	2	2	2	1	1	0	0	0	0	1	3	4	5	6	7	8	7	6	6	6	6	6	6	6	6	6	6	6
30	1	1	0	0	-1	-2	-1	-1	-1	-1	1	3	4	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6
31	2	2	1	0	-1	0	-1	-1	-1	-1	2	4	6	7	8	7	6	6	6	6	6	6	6	6	6	6	6	6
AV	2	2	1	1	1	0	0	0	1	2	3	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SD	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

SIGMA THETA (CC120)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SMALL PROFILE, R139
 BONANZA, UTAH
 SITE 4
 JAN, 1980
 RECONSTRUCTION INC.

 * FINAL DATA *
 * AS OF 31/MAY/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	11	9	9	9	9	14	11	9	12	9	18	12	12	14	11	14	8	9	8	8	8	8	8	9	11	24
2	12	12	9	9	14	15	9	9	11	17	17	18	20	26	21	23	18	15	15	18	11	9	20	15	15	26
3	11	14	14	15	12	11	11	11	20	17	14	20	18	14	15	14	11	14	14	14	14	15	21	14	15	21
4	17	11	14	20	23	24	32	21	17	14	20	14	11	11	11	14	11	17	14	14	24	18	14	14	17	32
5	14	12	17	12	12	15	14	18	14	17	15	23	20	18	17	15	20	14	12	12	15	20	18	14	14	23
6	21	20	15	11	23	23	20	21	17	9	9	11	14	12	15	14	20	18	11	23	4	8	20	16	16	23
7	21	14	15	12	15	15	15	17	15	11	15	14	9	8	12	15	12	9	12	9	9	21	18	13	21	21
8	18	11	12	18	20	17	18	14	18	20	14	11	11	14	21	12	17	14	17	23	24	26	21	21	18	26
9	20	21	20	21	20	20	21	21	23	23	23	26	24	29	21	30	27	23	18	15	18	15	24	18	22	30
10	20	32	29	24	23	23	24	24	23	23	21	20	12	9	9	11	9	9	9	9	9	9	11	14	14	32
11	15	12	15	11	12	21	12	14	9	9	11	12	15	29	24	17	11	11	12	15	14	14	15	12	14	29
12	14	15	15	14	11	11	9	9	18	14	12	14	18	20	17	12	17	15	21	17	15	9	18	15	21	21
13	23	23	23	23	23	27	26	23	24	21	26	20	11	17	30	21	24	30	23	26	23	24	26	26	23	30
14	21	18	18	18	17	21	20	23	14	9	15	26	17	15	14	11	18	18	17	14	11	11	11	9	16	26
15	11	4	15	15	15	18	12	12	14	9	12	17	11	11	14	14	9	9	11	15	9	9	12	9	12	18
16	14	12	11	11	12	11	9	11	9	11	11	12	15	14	15	14	14	17	15	9	9	9	9	11	12	17
17	11	9	9	11	15	14	4	11	11	11	9	11	12	9	12	17	11	11	12	17	15	12	4	14	12	17
18	14	11	17	18	14	12	11	11	9	8	12	12	12	12	11	11	9	8	12	11	11	11	11	12	12	18
19	18	11	11	11	9	9	9	9	9	11	9	9	9	11	9	9	9	11	9	8	9	8	9	11	10	18
20	9	8	8	17	11	9	9	11	12	18	20	14	14	15	12	12	14	9	11	8	8	8	11	12	12	20
21	15	15	14	14	14	17	11	11	14	11	14	17	23	18	27	20	15	9	9	9	11	8	11	12	12	27
22	12	14	9	8	9	12	9	8	9	8	14	21	24	18	17	21	20	11	9	11	11	12	16	17	13	24
23	21	15	20	21	11	17	12	12	12	18	21	20	12	14	14	12	9	9	17	18	23	17	15	16	23	
24	17	20	18	12	15	24	17	23	14	15	20	27	21	27	21	14	12	11	14	17	17	17	16	18	14	27
25	18	17	15	17	12	15	12	17	24	18	20	26	26	17	23	15	11	14	12	12	11	9	11	11	16	26
26	18	9	8	8	9	11	8	8	11	21	15	15	21	23	17	15	20	17	23	17	12	12	9	14	23	
27	12	17	9	9	11	15	9	9	11	9	11	12	15	18	15	12	15	9	14	9	11	18	15	13	18	
28	11	9	8	15	9	8	8	8	8	8	11	9	12	11	11	11	9	9	11	9	8	8	8	12	10	15
29	9	12	9	12	12	9	8	8	6	8	9	11	11	11	11	11	15	18	18	12	12	9	8	12	10	15
30	14	18	20	17	30	21	15	17	17	11	11	11	11	9	14	11	15	18	18	12	9	15	15	23	15	30
31	15	17	15	9	11	9	18	12	17	11	11	14	15	20	14	12	11	12	17	9	11	12	14	17	13	20
AV	15	14	14	14	15	16	14	14	14	14	15	16	16	16	14	14	13	13	14	14	13	14	15	15	15	15
SD	4	5	5	4	5	5	6	5	5	5	5	6	5	5	4	5	4	5	5	5	5	5	5	4	4	4

 ANNUAL (29 JAN 81)

SIGMA PHETA (CC120)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALF PROJECT, #139

BUMANZA, UTAH
SITE
4

MAR, 1980

AERONAVIGATION INC.

* FINAL DATA *
* AS OF 31/MAY/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	17	9	8	9	9	8	9	12	9	9	11	14	12	17	18	21	14	11	11	12	8	6	11	11	21	
2	20	15	20	15	12	15	14	11	14	14	17	14	29	17	12	12	12	18	14	15	11	12	19	8	15	29	
3	11	14	12	14	18	11	17	15	11	9	14	23	26	20	24	24	12	11	17	10	21	18	17	18	16	26	
4	15	11	17	17	12	17	23	23	21	20	26	12	11	11	11	11	11	9	9	9	9	9	9	14	14	26	
5	20	18	17	17	17	20	21	27	30	24	16	21	21	23	23	24	21	23	24	26	29	21	23	18	22	30	
6	20	24	20	11	9	15	12	18	17	12	12	9	9	8	8	9	11	17	17	15	11	12	14	20	14	24	
7	30	11	8	20	20	26	14	11	14	27	15	12	9	9	11	12	20	17	11	11	14	11	11	12	15	30	
8	11	9	9	9	9	15	8	17	23	18	14	12	12	12	11	11	11	9	9	11	9	11	9	12	12	23	
9	12	14	9	12	9	9	12	21	23	14	12	11	12	11	9	11	9	9	12	15	20	17	20	13	23	23	
10	24	23	30	36	27	12	12	17	14	12	14	12	14	20	18	20	15	21	18	14	12	14	16	19	16	36	
11	49	40	12	14	17	14	11	15	15	11	11	15	20	14	21	21	17	17	17	20	26	18	20	19	19	49	
12	18	15	9	9	9	9	9	9	8	8	9	9	11	11	11	11	11	11	11	14	12	14	11	8	11	18	
13	8	12	9	14	11	11	17	21	15	21	17	23	15	24	17	15	15	11	12	18	17	20	20	17	16	24	
14	23	15	15	24	29	20	21	21	20	26	29	24	17	17	20	26	35	24	17	14	17	14	15	20	21	35	
15	23	21	20	20	21	21	23	20	12	12	26	23	12	12	14	18	15	17	15	11	14	12	9	11	17	26	
16	9	9	9	9	14	11	11	9	11	15	17	15	21	17	18	18	21	18	12	12	11	14	12	21	15	21	
17	9	21	29	17	9	11	15	20	12	18	18	29	27	23	27	24	21	20	17	20	20	14	18	18	19	29	
18	12	11	11	15	20	14	15	9	9	15	14	12	12	14	14	14	12	11	14	11	11	8	8	11	12	20	
19	14	11	15	11	11	24	14	15	17	15	15	12	11	11	11	11	11	11	11	11	11	12	12	9	13	24	
20	8	8	14	14	18	21	20	14	15	18	24	21	24	26	20	21	29	20	15	17	15	21	32	26	19	32	
21	46	35	18	40	29	17	14	33	38	33	29	27	27	26	23	15	11	11	12	12	20	14	17	15	23	46	
22	15	23	9	8	8	14	8	18	17	11	14	11	9	9	4	9	4	9	9	9	11	12	12	8	11	23	
23	12	15	21	14	9	12	12	9	24	21	21	27	29	23	24	23	23	24	12	23	20	9	11	14	18	29	
24	9	14	17	8	14	9	15	9	15	12	21	32	29	30	32	29	40	41	21	11	11	8	9	11	19	41	
25	9	6	6	6	6	6	6	6	6	6	11	20	11	11	14	23	23	15	14	9	12	9	14	11	23	41	
26	14	18	17	11	12	14	12	9	14	20	15	24	20	30	24	20	17	12	30	32	33	41	27	14	20	41	
27	12	14	15	26	12	12	11	9	17	20	18	17	21	20	18	17	12	9	9	9	4	9	4	8	14	26	41
28	9	9	12	9	8	9	15	24	11	9	17	14	14	14	12	14	12	11	11	11	12	9	9	11	12	24	
29	8	9	15	14	9	8	9	18	23	30	32	21	26	24	26	20	21	17	17	14	26	24	27	23	19	32	
30	21	11	11	26	36	33	33	21	14	14	24	35	23	11	9	9	9	15	11	9	12	11	9	20	18	36	
31	23	21	20	20	21	17	11	11	15	14	14	30	21	23	17	20	27	29	23	14	20	12	14	17	19	30	
AV	17	16	15	16	15	15	14	16	17	17	18	19	18	17	17	17	18	16	15	15	15	15	15	15	16	16	
SD	10	7	6	8	7	6	6	6	7	6	6	7	7	6	6	6	6	6	7	5	6	7	6	5	5	3	

ADUNIT (29 JAN 81)

SILOMA THETA ICC(20)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 4

APR, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAY/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	26	24	30	23	24	15	9	12	20	29	18	17	32	20	15	21	21	15	14	11	9	9	14	11	19	32		
2	9	9	12	15	15	9	9	8	8	9	11	11	9	9	12	15	14	14	15	11	15	8	23	17	12	23		
3	21	11	11	15	17	15	15	17	14	12	17	18	20	23	12	18	24	14	11	12	12	17	20	16	24	29		
4	20	14	11	11	11	9	12	18	11	12	15	20	29	29	29	20	27	23	14	11	15	11	9	11	16	29		
5	11	12	17	24	15	11	14	12	15	14	29	29	21	20	18	11	9	11	9	20	18	11	15	15	16	29		
6	12	9	9	8	11	17	15	12	11	12	11	11	11	11	11	11	9	9	9	11	11	11	11	15	11	17		
7	8	9	11	14	14	9	8	9	9	9	9	11	11	11	11	11	11	9	9	9	9	9	14	14	11	17		
8	11	11	11	24	14	16	14	9	11	23	26	29	27	21	23	20	33	15	14	17	14	12	20	18	33	33		
9	32	17	14	18	18	17	12	15	15	12	23	23	15	18	21	15	15	11	12	18	17	20	21	21	18	32		
10	11	8	15	12	9	8	9	9	11	12	11	11	11	11	11	11	11	11	11	9	9	12	9	12	10	15		
11	17	17	14	9	8	17	14	14	12	12	11	9	11	11	11	11	11	11	11	11	11	11	12	14	11	17		
12	17	17	14	9	8	17	14	14	12	12	11	9	11	11	11	11	11	11	11	11	11	11	12	14	11	17		
13	18	15	20	11	8	17	15	15	14	15	24	21	27	21	17	17	14	11	11	11	11	11	12	11	12	15	27	
14	9	14	17	21	17	12	20	12	20	26	33	26	40	38	26	21	26	27	20	11	8	8	14	11	9	16	30	
15	27	1091	30	38	20	11	20	21	15	21	12	14	11	12	14	11	11	11	11	17	9	14	15	15	12	20	40	
16	9	14	18	15	11	11	18	11	12	17	17	27	33	33	24	11	11	11	11	9	9	9	9	9	8	15	38	
17	9	12	9	17	18	15	12	9	12	20	30	24	23	24	24	18	21	15	18	11	9	17	12	12	17	33	33	
18	17	20	14	21	17	15	24	23	12	17	18	24	20	24	24	21	18	21	12	12	12	15	17	11	17	30	30	
19	12	12	17	14	20	9	15	15	12	15	16	20	17	17	12	18	24	15	11	12	17	9	9	11	15	24	24	
20	12	15	11	11	15	11	11	9	17	20	23	20	20	29	23	15	20	17	15	20	17	11	12	15	16	29	29	
21	27	26	17	30	21	24	29	23	30	30	53	30	30	15	18	29	21	18	14	11	15	11	9	20	23	53	53	
22	11	14	15	9	12	9	8	14	14	12	20	20	14	12	11	12	9	9	9	15	11	12	11	9	12	20	20	
23	14	27	29	27	17	18	26	12	8	11	17	17	12	12	11	9	12	9	9	15	11	12	11	12	11	20	20	
24	14	12	8	8	9	8	14	9	9	11	15	17	24	18	14	15	12	17	15	11	9	21	15	11	15	29	29	
25	9	9	8	14	14	14	8	14	14	11	12	23	23	20	21	17	14	14	9	9	9	17	11	15	13	24	24	
26	14	9	21	11	9	12	12	15	20	17	20	18	29	30	30	26	30	15	9	8	9	8	8	18	13	23	23	
27	9	11	8	20	5	8	12	16	15	24	36	24	21	26	27	24	26	30	12	8	12	18	11	9	17	36	36	
28	17	23	11	12	15	17	17	15	20	29	20	20	17	23	24	26	12	8	6	11	24	18	17	11	17	29	29	
29	17	23	11	11	18	23	9	15	11	9	14	30	26	41	44	26	30	15	6	11	6	14	14	14	14	44	44	
30	14	14	11	6	17	8	8	15	24	26	32	32	35	20	15	12	9	12	12	14	15	11	12	14	14	16	35	35
AV	15	15	15	16	14	15	14	14	14	17	21	21	22	21	19	17	17	15	12	11	13	12	13	14	14	16	16	16
SU	6	6	6	7	5	5	5	4	5	6	4	6	8	8	7	6	7	6	3	3	4	4	4	4	4	3	3	3

SIGMA THETA (CC120)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 4

MAY, 1980

AFROVIRONMENT INC.

FINAL DATA
AS OF 02/JUN/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	11	9	8	26	18	9	11	20	12	12	11	11	20	21	14	9	12	20	14	11	24	32	26	15	32	
2	11	12	14	14	9	9	15	11	17	18	27	21	35	47	32	27	21	1A	20	14	15	1A	12	11	19	47	
3	17	17	17	17	9	11	17	23	30	30	30	35	18	21	24	26	20	23	23	18	29	14	15	9	19	35	
4	14	17	18	11	14	14	8	15	23	23	26	29	21	18	21	18	18	23	17	24	30	35	18	35	19	35	
5	41	20	11	9	11	14	9	12	17	20	27	23	24	23	17	38	46	23	14	12	15	20	20	21	19	41	
6	24	24	23	18	14	27	12	20	21	24	15	21	27	33	17	14	12	12	11	8	9	8	9	8	19	46	
7	24	24	24	15	17	15	9	14	18	24	17	15	18	24	17	18	18	18	21	17	20	21	23	23	1A	29	
8	23	20	14	15	12	18	15	15	24	18	18	20	33	32	26	11	12	12	15	24	15	12	8	11	18	33	
9	29	1A	24	1A	12	18	9	11	27	33	33	27	29	24	32	26	32	27	14	9	11	11	11	11	11	18	33
10	15	17	11	18	15	9	8	20	24	36	30	14	15	24	15	26	15	17	14	9	18	17	12	12	16	36	
11	11	17	9	15	9	8	8	20	24	36	30	14	15	24	15	26	15	17	14	9	18	17	12	12	16	36	
12	17	14	23	26	21	15	18	20	24	17	23	21	17	15	12	12	12	11	12	12	24	20	8	32	1A	32	
13	20	12	14	12	12	14	9	15	14	15	26	21	21	18	26	26	32	33	23	17	15	23	24	14	19	33	
14	9	14	18	18	11	11	12	14	17	17	17	24	27	26	12	11	9	9	11	38	24	24	12	11	17	3A	
15	12	12	17	12	11	9	9	17	11	14	20	21	24	17	14	14	14	14	29	17	17	11	15	8	15	29	
16	11	17	15	12	15	18	23	17	26	21	23	27	27	21	15	14	12	11	9	11	14	15	12	17	17	27	
17	11	9	12	8	6	8	6	9	9	12	21	27	30	30	26	24	14	11	9	8	6	11	12	6	14	30	
18	14	15	8	18	20	9	17	11	11	12	21	20	35	36	35	29	26	26	15	11	11	8	6	15	18	36	
19	15	20	33	32	27	18	14	11	20	17	17	17	14	21	32	33	30	23	11	8	11	12	17	11	19	33	
20	12	20	24	29	23	17	17	14	24	27	27	24	21	1A	20	21	20	20	12	8	8	17	17	43	20	43	
21	30	12	9	12	17	20	12	14	17	26	24	30	24	24	21	27	23	18	15	9	11	20	29	17	19	30	
22	26	26	30	20	9	15	12	17	11	20	21	14	24	24	30	29	26	24	15	17	17	24	26	17	21	30	
23	15	15	17	17	21	26	29	26	24	27	24	24	36	29	26	23	24	26	29	23	23	21	23	18	24	36	
24	18	15	17	20	15	21	26	20	27	29	27	33	26	14	9	11	12	26	41	18	17	21	1A	21	41	36	
25	23	20	18	20	17	18	21	14	14	12	12	15	14	14	20	14	12	9	9	12	9	9	20	14	15	23	
26	20	11	14	15	24	30	32	20	15	15	29	33	27	23	23	23	23	20	17	14	12	11	8	12	20	33	
27	15	17	12	15	20	27	32	33	38	33	30	30	30	29	24	23	24	23	17	21	1A	1A	20	9	22	3A	
28	11	14	17	15	20	18	15	23	27	24	27	30	30	29	24	26	27	27	21	14	17	15	12	11	21	30	
29	9	9	11	14	8	15	12	9	21	14	12	14	14	14	15	17	21	15	11	12	11	11	11	15	13	21	
30	11	21	14	11	12	12	17	21	20	20	23	20	24	23	23	26	27	30	27	21	17	1A	8	11	19	30	
31	15	17	15	18	17	17	11	9	12	20	23	26	21	24	17	12	11	1A	24	14	9	9	12	12	12	16	2A
AV	17	16	16	16	15	16	15	16	19	21	23	23	23	24	21	21	20	19	17	16	16	17	16	16	1A	1	
SD	7	4	6	6	6	6	7	5	6	6	6	6	7	7	7	7	8	7	7	7	6	6	7	8	2	1	

AGOUT (21 JAN 81)

SIGMA THERIA ICC:201

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

JUN, 1980

AEROVIRNMENT INC.

* FINAL DATA *
* AS OF 31/MAY/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	15	11	14	11	9	11	17	15	14	27	24	18	21	29	29	29	17	18	21	24	23	14	12	9	18	29	
2	9	20	21	12	17	15	20	30	27	26	26	26	29	27	26	26	27	26	32	26	15	15	21	44	23	44	
3	14	32	15	17	17	24	29	29	27	26	27	29	26	24	29	36	32	30	29	21	17	14	18	14	23	36	
4	15	18	20	21	20	21	21	27	26	26	29	27	26	27	23	18	15	17	20	18	18	23	23	21	22	29	
5	18	12	11	12	8	11	11	11	21	23	27	27	36	29	20	15	20	21	23	23	20	18	20	18	19	36	
6	12	12	17	20	20	21	18	12	12	12	12	12	12	15	14	14	11	11	11	11	12	12	9	11	14	21	
7	9	17	12	14	21	9	11	23	17	24	21	26	29	29	15	26	21	18	12	14	14	11	12	11	18	29	
8	8	9	17	14	21	15	11	26	17	17	17	18	21	27	26	23	18	14	14	14	12	11	11	14	17	27	
9	12	11	11	18	17	9	12	17	23	18	20	18	20	24	30	32	24	18	12	14	11	18	12	20	18	32	
10	27	24	18	27	29	12	21	17	24	21	21	27	30	24	27	30	24	20	21	18	20	20	20	16	22	30	
11	21	18	21	9	9	21	17	15	23	24	27	26	26	35	30	15	12	14	18	26	17	17	21	20	20	35	
12	20	17	14	12	15	21	21	18	14	14	18	17	24	24	20	24	23	23	26	20	18	14	14	12	19	26	
13	11	24	11	11	8	8	18	23	21	33	23	27	24	23	24	26	18	24	18	18	17	18	18	18	18	33	
14	17	17	15	12	11	20	29	24	26	18	15	14	14	15	15	14	14	14	11	9	11	11	11	9	15	24	
15	8	11	9	8	6	8	11	24	24	27	18	12	15	14	15	15	15	12	11	12	11	8	9	9	13	27	
16	14	11	14	11	14	15	18	9	11	18	24	24	23	21	23	20	17	17	20	12	11	11	11	11	11	16	24
17	9	11	14	15	14	27	12	17	26	32	27	35	20	24	20	17	14	20	11	8	9	24	9	9	19	35	
18	15	16	17	21	21	20	24	24	12	14	18	12	23	30	29	21	21	12	9	11	12	11	12	15	18	30	
19	12	14	17	12	12	15	15	12	15	23	24	24	26	38	29	23	14	17	14	12	12	11	6	11	17	38	
20	17	21	23	12	17	14	14	15	14	17	20	27	21	21	24	21	20	24	21	20	24	21	21	20	17	20	27
21	15	12	15	29	15	24	18	20	24	17	18	20	24	17	14	14	11	11	11	12	15	23	27	14	18	29	
22	21	18	11	14	9	17	12	17	18	27	20	17	18	33	29	23	26	21	18	21	21	15	17	21	19	33	
23	26	23	18	18	15	29	41	23	27	30	24	30	23	23	21	18	15	18	17	23	20	18	12	18	22	41	
24	11	9	21	20	9	24	20	17	15	15	20	23	24	18	26	24	20	14	15	15	18	20	18	20	19	30	
25	21	15	14	14	14	15	24	12	17	41	26	30	32	29	36	26	33	27	27	26	15	20	20	15	23	41	
26	12	15	12	12	11	15	17	26	27	27	27	24	23	21	17	17	18	14	15	23	20	21	21	15	19	27	
27	11	9	9	9	9	9	9	9	11	20	23	20	14	12	13	12	12	12	11	9	9	6	9	9	12	23	
28	14	11	8	9	9	12	12	11	11	27	32	12	24	18	15	40	26	18	12	21	18	12	11	12	16	40	
29	14	18	21	17	11	24	21	14	26	14	14	17	12	18	17	14	11	9	14	9	14	27	14	9	14	27	
30	24	40	17	17	12	11	15	15	18	18	12	9	14	24	21	33	20	12	12	12	9	14	14	14	18	40	
AV	15	17	15	15	14	16	18	19	20	22	22	22	22	24	23	22	20	14	17	17	16	14	15	16	18	18	
SD	5	7	4	5	5	6	7	6	6	7	5	6	6	6	6	7	6	5	6	6	4	4	5	7	3	1	

SIGMA THETA (CC1201)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HUNANZA, UTAH
 SITE 4
 JUL, 1980
 AEROSPIRIMENT INC.

 *
 * FINAL DATA *
 * AS OF 31/MAY/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	14	9	12	26	24	20	21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	18	26
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	18	26
3	12	12	14	17	12	11	12	15	15	15	21	21	33	33	33	18	15	20	15	14	17	12	14	14	17	33
4	9	15	24	11	17	18	12	21	20	24	21	16	18	26	26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	19	26
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
7	21	14	12	9	23	15	15	11	11	11	17	18	21	17	15	11	20	15	20	20	18	20	17	18	21	40
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
12	26	18	26	12	18	18	27	(US)	32	(US)	27	11	12	20	21	29	46	20	14	11	12	27	32	40	25	49
13	17	17	11	18	20	21	17	24	23	23	15	12	12	18	14	11	12	11	9	15	15	40	50	27	22	50
14	23	36	32	12	20	14	18	27	17	14	14	18	17	18	14	11	12	11	11	15	24	24	17	11	18	36
15	11	17	17	26	27	18	27	35	20	35	21	17	12	15	12	11	11	11	11	9	9	9	9	9	17	35
16	29	55	14	24	20	15	20	26	20	23	23	20	15	17	20	23	18	18	9	11	15	21	18	20	55	55
17	11	41	49	21	17	12	14	15	30	17	14	12	15	17	36	21	15	11	11	12	12	9	12	15	14	49
18	12	12	15	9	9	9	23	15	14	20	23	23	20	12	17	26	14	11	12	14	20	17	21	29	17	29
19	15	14	15	14	30	14	14	17	14	15	15	14	15	15	12	14	14	12	14	12	11	9	6	8	14	30
20	23	14	17	20	14	20	27	15	12	17	26	30	20	14	12	12	18	20	17	14	20	11	12	12	17	30
21	15	11	12	18	12	17	17	8	9	20	23	30	18	14	15	14	12	14	11	8	9	20	17	15	30	30
22	21	14	11	14	20	23	14	11	14	20	23	15	12	12	15	17	12	9	11	17	23	(US)	27	21	19	30
23	15	18	21	17	18	12	20	21	23	21	26	30	20	23	26	17	12	9	11	17	15	12	12	17	15	23
24	49	32	20	26	21	21	21	17	23	14	16	23	18	17	15	18	18	18	9	11	18	12	12	17	14	49
25	8	11	14	23	20	21	15	33	26	17	20	21	16	18	12	15	15	15	11	11	18	12	12	17	14	49
26	21	12	20	30	15	14	20	15	14	17	23	35	24	17	15	12	23	20	15	12	11	18	14	12	17	33
27	9	11	30	20	15	14	18	12	20	27	40	27	33	38	21	21	18	24	14	11	11	20	15	18	20	40
28	32	24	23	29	15	15	21	11	9	17	23	32	18	20	15	14	20	20	17	11	9	12	18	12	18	32
29	12	17	29	18	15	27	21	36	21	14	17	20	15	32	21	12	12	14	9	12	12	11	11	17	17	36
30	11	9	12	8	23	12	24	23	35	32	26	15	14	15	14	15	15	14	17	12	9	15	14	26	17	35
31	18	12	14	8	18	9	15	17	17	17	24	29	40	29	30	30	20	12	9	11	9	8	8	14	17	40
AV	18	19	19	18	18	16	14	19	19	20	21	20	21	20	21	19	18	16	14	15	17	18	18	19	19	1
SD	9	11	9	7	5	4	4	8	7	6	5	7	7	7	8	9	8	5	4	7	8	10	9	8	3	1

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 * AS OF 31/MAY/81 *
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 * FINAL DATA *
 * AS OF 31/MAY/81 *
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 * AS OF 31/MAY/81 *
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SIGMA TETA (CC#20)

DEGMFES
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #159
HONANZA, UTAH
SITE 4

AUG, 1980

AERVIROMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAY/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	DEAR
1	20	17	11	9	8	14	15	21	15	17	21	21	23	14	14	26	21	21	15	17	9	9	26	17	17	26
2	15	20	17	18	15	38	23	18	15	17	20	14	12	12	14	14	15	14	11	9	9	9	9	15	16	38
3	12	12	15	14	18	24	20	14	17	20	14	12	11	11	11	11	11	11	11	11	9	9	9	9	13	24
4	11	12	24	30	26	11	14	14	11	17	12	12	12	12	12	15	12	11	11	9	9	17	20	14	31	24
5	10	8	12	23	17	18	23	20	15	11	15	18	17	24	32	24	14	11	14	11	20	24	23	23	19	32
6	21	20	14	9	29	21	12	11	12	11	20	18	20	15	12	12	11	12	11	12	15	15	21	15	29	24
7	12	9	11	12	15	11	11	21	23	18	17	21	30	29	29	26	27	24	32	24	26	27	14	12	20	32
8	14	17	23	24	12	11	9	17	14	14	20	21	20	15	11	12	16	17	11	12	12	18	24	14	16	24
9	20	(0.5)	30	24	18	18	21	27	15	11	11	18	12	12	15	11	11	11	11	9	14	11	11	15	15	30
10	21	18	12	24	12	18	23	14	17	18	32	17	32	27	23	21	17	17	15	11	11	11	11	11	15	32
11	11	15	12	15	15	12	11	23	12	21	27	32	27	23	21	17	17	15	11	11	11	0	8	14	16	32
12	11	8	12	18	21	20	12	21	23	24	20	21	12	14	24	23	24	15	11	36	21	47	24	36	21	47
13	41	33	12	14	18	14	15	11	15	36	23	24	20	21	17	30	20	14	26	27	24	44	27	17	23	44
14	11	9	9	12	11	8	12	11	21	20	24	17	15	29	29	27	32	21	18	12	12	18	21	18	17	32
15	12	20	20	26	52	36	18	26	18	24	12	17	29	26	20	12	11	11	11	12	12	11	11	14	19	52
16	27	30	32	11	8	11	9	12	18	15	14	17	17	27	15	18	17	14	11	8	9	9	8	9	15	32
17	14	12	15	15	15	15	15	15	21	24	29	30	23	23	23	36	20	20	12	9	11	27	48	40	21	48
18	33	27	18	9	15	11	9	17	20	23	18	26	29	24	18	23	21	21	21	24	18	18	20	20	20	33
19	20	20	20	18	17	18	21	20	15	12	15	12	12	11	9	12	20	11	9	9	9	9	9	9	18	21
20	11	12	9	12	23	36	23	17	14	15	29	36	20	21	15	24	24	26	11	8	30	30	11	9	19	36
21	21	23	12	8	20	17	20	14	27	17	21	20	24	26	18	18	26	20	11	20	(0.5)	40	26	14	20	40
22	14	14	11	15	21	11	11	12	12	15	21	21	29	21	24	21	17	14	15	15	17	18	18	18	17	29
23	20	23	23	20	18	18	23	29	26	18	17	15	20	17	27	26	20	15	24	(0.5)	56	(0.5)	47	41	25	56
24	29	18	14	15	15	18	23	24	21	15	12	14	14	14	24	26	29	23	20	12	11	11	12	33	19	33
25	15	14	11	12	26	27	30	46	27	24	12	9	11	17	20	12	18	14	20	11	11	12	14	9	18	46
26	17	9	11	23	26	20	8	15	27	21	21	36	32	30	23	15	11	26	14	17	15	14	6	8	18	36
27	17	20	17	12	14	21	29	29	21	15	20	37	23	29	23	20	11	20	15	18	17	21	20	17	19	29
28	17	18	35	21	29	(0.5)	46	15	17	14	17	15	17	14	15	15	15	18	20	21	17	18	20	20	20	46
29	24	17	15	17	17	18	17	17	18	17	15	23	20	26	27	23	27	27	26	18	21	23	23	21	21	27
30	21	20	14	23	21	32	21	20	12	12	27	18	17	23	18	11	9	9	9	11	11	12	8	11	16	32
31	12	15	26	17	9	9	15	17	12	17	18	17	21	21	15	12	14	17	18	11	12	11	12	15	15	26
AV	18	17	16	17	18	19	17	20	18	18	19	20	20	20	19	19	18	16	15	14	16	18	18	18	18	18
SD	7	6	6	6	6	6	6	6	5	5	5	6	6	6	6	7	6	5	6	6	9	11	10	9	3	3

SIGMA THETA (CC120)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAY/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	17	15	14	15	26	29	12	23	21	32	27	26	21	26	29	26	38	21	9	9	21	27	33	38	23	38	
2	47	26	30	12	20	40	24	20	15	23	17	12	14	17	14	15	11	11	12	17	20	21	21	18	20	47	
3	18	18	18	14	9	27	30	33	18	12	14	20	23	21	18	12	11	11	11	9	12	20	15	26	18	33	
4	11	20	11	12	17	24	18	15	33	32	32	21	21	18	21	18	27	17	17	6	6	9	9	6	18	33	
5	11	12	20	23	24	17	12	21	20	27	26	23	17	20	21	15	14	12	12	12	9	9	15	27	17	27	
6	18	20	15	17	18	12	11	15	29	26	15	29	27	21	15	11	11	12	15	14	18	18	27	18	29	29	
7	27	17	20	21	11	11	9	6	9	9	11	17	12	23	15	18	14	17	18	16	11	14	16	9	15	27	
8	8	12	17	14	14	14	11	8	9	9	9	11	14	15	27	23	17	14	21	12	9	12	11	6	13	27	
9	12	9	20	11	9	9	8	8	8	12	15	15	9	11	24	18	11	9	8	9	8	6	6	6	11	24	
10	8	6	9	9	11	17	11	17	14	18	12	11	12	14	21	30	26	12	24	18	24	18	23	9	15	30	
11	21	26	14	11	17	15	27	23	23	20	17	15	12	11	11	11	11	9	8	11	11	12	12	12	15	27	
12	20	21	14	12	12	12	27	24	15	12	18	20	23	24	30	24	35	15	15	12	12	17	18	17	19	35	
13	23	14	9	11	12	12	9	17	17	23	17	33	26	30	24	21	18	20	24	17	15	23	49	27	20	49	
14	53	27	33	29	21	29	32	17	17	26	29	32	18	21	20	15	12	11	12	14	21	23	27	14	23	53	
15	12	24	29	17	15	9	9	18	14	35	17	14	14	17	11	11	12	12	11	14	14	17	14	15	16	35	
16	15	12	14	14	14	11	11	9	14	9	8	6	8	8	8	6	6	6	6	6	6	6	6	20	11	10	20
17	18	29	109	109	21	14	18	12	15	12	12	12	11	11	12	14	12	11	9	9	11	33	50	36	17	50	
18	49	32	30	41	26	15	18	12	12	20	24	20	20	23	27	26	29	24	20	20	27	27	27	27	25	49	
19	18	20	20	20	20	20	20	23	23	17	12	11	9	9	11	9	12	14	20	11	14	18	12	11	16	23	
20	17	11	11	9	17	12	9	27	32	18	17	17	20	18	18	23	21	21	12	11	21	30	12	11	17	32	
21	11	12	29	15	17	14	9	14	17	12	12	11	12	12	12	11	14	20	12	11	11	11	11	14	14	29	
22	11	14	11	9	8	8	8	6	9	17	21	24	23	21	24	23	24	17	12	12	15	11	9	9	16	30	
23	15	14	30	24	18	12	20	17	9	8	15	23	15	18	20	21	23	17	12	15	11	11	9	9	16	30	
24	15	23	27	23	30	35	52	18	12	18	12	11	11	12	18	17	27	15	9	8	15	20	20	20	19	52	
25	12	11	11	11	17	11	14	8	9	11	14	17	20	18	14	17	15	15	11	9	8	12	26	30	14	30	
26	14	14	14	17	9	11	17	23	17	29	15	20	15	18	20	17	20	8	5	18	20	12	20	23	17	29	
27	44	33	14	12	9	11	30	20	20	15	14	20	17	17	20	15	20	18	6	8	18	24	40	40	20	44	
28	20	14	9	9	20	14	21	12	14	24	17	12	12	15	14	24	23	15	9	15	15	17	12	9	16	24	
29	17	17	23	11	21	18	14	12	20	12	18	12	15	18	21	23	17	12	12	14	11	8	12	15	16	23	
30	14	12	12	14	18	12	21	12	14	14	18	21	15	15	12	12	15	12	11	11	17	23	41	24	16	41	
AV	20	18	18	16	17	16	18	16	17	18	17	18	16	17	18	18	18	14	13	12	14	17	21	18	17	()	
SD	12	7	7	7	6	6	10	6	6	6	6	7	5	5	6	6	8	4	5	4	5	7	11	9	3	()	

SIGMA THETA (CC:20)

DEGREES
LEVEL HEIGHT 10 METERS

WHITE MOUNTAIN SMALL PROJECT, #119

HONANZA, UTAH

SITE

OCT, 1960

AFKOVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAY/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	15	20	21	30	14	18	9	9	20	24	14	12	26	23	14	14	24	12	12	9	15	15	23	15	17	30
2	17	12	9	9	9	11	11	11	11	9	11	14	14	33	27	23	21	17	9	15	11	14	24	12	15	33
3	23	23	33	30	24	20	36	33	21	20	29	29	24	16	33	18	14	14	6	12	15	26	20	24	24	36
4	27	29	21	14	8	26	32	33	17	14	15	15	15	23	21	18	15	8	14	8	12	12	15	20	14	33
5	32	33	43	15	15	11	12	26	15	17	18	16	29	27	17	18	23	15	8	11	12	12	20	17	19	43
6	12	9	9	12	15	24	12	15	11	15	14	17	14	20	15	15	17	8	0	11	9	8	20	17	14	24
7	12	11	29	12	27	18	26	27	15	17	14	15	12	12	23	21	17	14	11	9	8	14	12	17	16	29
8	18	17	20	18	14	12	18	17	11	12	17	14	17	17	21	27	15	9	8	12	12	16	12	24	16	27
9	27	24	9	9	9	14	23	9	18	9	12	15	20	24	24	20	18	12	8	9	11	9	12	20	15	27
10	15	14	9	11	9	8	11	9	9	9	15	12	17	29	21	26	17	11	9	9	11	9	14	9	13	24
11	24	21	14	14	9	14	12	18	15	12	21	15	12	12	23	23	17	12	17	20	23	21	20	20	17	24
12	17	23	36	14	14	20	14	27	33	14	9	9	11	9	9	15	27	(US)	40	24	24	16	32	17	20	40
13	14	18	9	14	14	14	18	33	20	12	14	17	12	17	20	17	12	17	18	15	12	14	23	20	16	33
14	12	15	17	24	17	9	8	14	29	14	14	21	17	14	9	15	21	27	41	27	11	8	14	15	17	41
15	36	32	43	24	35	32	21	20	26	40	35	38	32	21	30	30	24	27	23	23	12	8	21	9	27	43
16	8	8	8	8	8	8	9	6	6	5	6	8	11	24	21	17	17	12	11	9	9	8	8	8	10	24
17	8	12	9	17	16	17	15	15	15	11	11	12	11	11	11	9	9	8	8	8	8	8	11	11	11	18
18	12	27	11	17	20	23	20	14	12	27	18	17	18	20	24	26	24	11	9	15	32	14	14	15	14	32
19	12	15	9	15	12	23	23	21	26	20	17	18	23	18	18	20	21	9	9	9	6	11	6	11	16	26
20	17	17	12	14	12	17	32	32	23	14	12	15	14	18	17	20	30	12	9	14	14	17	11	11	17	32
21	27	15	17	30	15	17	14	12	12	14	17	18	18	12	14	18	20	11	15	21	15	21	23	26	18	30
22	35	49	40	17	21	38	27	15	12	9	11	11	11	11	11	9	9	11	15	15	14	14	9	11	18	49
23	9	9	12	8	6	8	8	8	8	8	12	18	23	32	27	30	17	12	8	8	14	9	8	12	13	32
24	14	8	14	15	8	14	33	20	23	29	17	20	24	32	21	26	14	8	8	12	23	17	17	12	18	33
25	4	18	33	20	17	12	6	15	12	17	14	15	20	15	14	12	14	17	11	17	26	15	26	20	16	33
26	23	27	17	11	9	12	9	11	9	8	20	11	15	26	11	11	21	12	14	12	8	6	8	9	13	27
27	15	12	8	12	8	11	14	12	15	11	9	9	9	9	9	8	8	8	9	9	9	11	9	11	10	15
28	12	8	8	12	15	12	17	8	11	15	33	23	27	20	18	27	26	12	17	9	8	14	14	9	16	33
29	12	15	14	9	9	15	30	30	30	23	26	29	26	18	15	17	14	9	8	6	8	11	8	9	16	30
30	17	18	17	21	17	36	35	12	15	14	5	24	18	26	29	23	12	9	8	8	14	14	14	14	18	36
31	9	15	14	17	18	15	12	14	14	12	12	21	24	14	23	15	9	6	8	11	9	11	14	12	14	24
AV	17	19	18	16	14	17	18	18	17	15	14	17	18	20	19	19	18	12	13	15	13	13	16	15	16	11
SD	8	9	11	6	6	8	9	8	7	7	7	6	6	7	6	6	6	5	8	5	6	5	6	5	3	11

SIGMA THERM (CC120)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SMALL PROJECT, #139

ROMANZA, UTAH

SITE # 4

NOV, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 04/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	17	17	18	9	8	20	21	21	15	14	11	21	27	18	26	24	11	8	9	11	15	14	17	17	14	27
2	23	17	15	17	20	15	14	21	14	17	18	14	29	21	14	9	9	8	12	14	21	27	24	17	14	18
3	26	15	17	26	27	20	23	14	14	14	14	26	23	12	12	11	11	12	14	15	14	14	14	14	17	27
4	11	11	9	9	14	12	15	14	15	12	12	24	24	15	17	17	11	11	11	9	8	12	15	12	13	24
5	18	17	20	26	17	14	12	12	12	17	26	21	21	38	24	17	9	8	11	9	11	11	18	17	34	17
6	24	24	24	17	20	26	23	20	15	15	20	18	14	12	11	9	15	20	20	20	24	21	21	20	19	43
7	15	14	14	14	15	26	43	23	18	15	14	14	14	12	11	9	9	17	17	14	17	16	17	19	29	19
8	15	14	14	14	15	15	12	14	11	11	11	11	11	11	11	9	9	9	12	15	11	8	15	11	12	15
9	9	9	12	23	24	15	15	15	9	14	14	18	17	23	29	23	14	17	15	12	14	11	8	15	18	16
10	11	8	12	17	18	15	17	14	11	15	12	14	12	15	21	17	9	8	11	14	12	24	17	11	14	24
11	15	17	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	17	15	14	18	14	17	14	19	23
12	17	14	24	15	18	18	20	17	20	24	20	24	27	21	12	14	20	12	9	14	21	20	21	11	14	27
13	11	15	20	14	9	9	8	9	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	20
14	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	20
15	11	9	12	8	9	11	11	9	26	14	15	21	17	14	14	14	9	9	9	9	12	9	12	10	11	21
16	9	8	8	8	8	8	8	8	9	12	14	12	14	18	24	17	9	9	9	9	12	9	9	8	12	26
17	12	11	9	8	12	9	6	14	14	14	18	24	17	14	18	24	17	9	9	9	12	9	9	8	10	29
18	9	24	26	24	15	17	12	11	11	14	12	17	23	14	12	11	20	11	9	11	6	8	11	17	10	29
19	11	23	14	26	9	18	30	14	17	17	14	15	24	20	29	24	14	15	9	9	8	11	12	8	14	26
20	11	17	12	6	14	14	17	12	12	12	12	14	14	14	12	11	8	8	8	8	9	9	9	8	16	30
21	26	27	20	9	27	9	15	24	8	8	12	21	(HF)	30	11	8	8	6	14	17	18	27	17	17	16	30
22	30	20	12	17	26	30	44	15	11	15	11	18	17	17	11	17	17	24	14	15	9	14	9	15	14	44
23	17	18	14	9	29	29	26	14	14	24	12	12	15	15	14	15	24	12	17	16	27	35	12	14	14	35
24	14	9	8	14	11	9	6	8	8	9	9	9	9	9	9	12	12	12	14	11	12	17	18	11	18	18
25	12	8	8	14	9	9	23	17	12	12	24	17	18	15	9	8	8	8	15	14	11	11	16	14	13	24
26	11	9	14	14	23	24	24	21	17	14	15	18	11	11	9	12	12	6	12	6	6	11	9	8	13	24
27	9	9	9	20	33	18	35	26	21	24	15	14	11	14	14	17	9	6	8	8	11	14	29	11	16	35
28	17	17	20	21	33	27	26	18	24	20	18	21	14	14	14	18	11	14	12	17	15	27	29	30	20	33
29	18	14	12	27	11	14	16	15	20	12	18	15	18	21	14	24	21	20	9	8	17	20	23	24	17	27
30	11	9	12	15	14	17	15	17	14	14	20	14	14	12	23	24	23	18	15	24	27	27	26	21	18	27
AV	15	14	15	14	17	17	19	16	15	15	15	17	18	17	17	15	13	12	12	13	14	14	16	15	15	11
SD	6	5	5	6	7	6	10	5	5	5	4	5	6	6	6	5	5	5	4	4	4	7	6	5	5	11

AGOUT (21 JAN 81)

SIGMA TETA (CC120)

DEGREES
LEVEL HEIGHT ± 10 METERS

WHITE RIVER SHALE PROJECT, #159
ROMANZA, UTAH
SITE #
DEC, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAY/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAR	
1	20	17	9	18	11	9	8	18	9	8	8	9	9	9	9	6	6	6	14	11	12	27	8	21	11	27	
2	21	14	15	9	15	20	26	15	9	8	8	8	12	11	15	30	17	17	17	17	12	26	15	17	16	30	
3	15	14	12	15	12	15	35	15	15	15	15	20	24	24	21	20	20	23	20	23	18	24	20	32	18	32	
4	21	24	20	18	21	24	21	24	35	32	27	30	23	21	18	17	17	23	20	27	21	21	20	17	23	35	
5	23	17	14	21	21	21	21	21	21	15	16	12	12	27	21	23	11	11	9	18	14	14	11	9	17	27	
6	11	12	8	6	8	8	9	17	12	11	14	38	21	20	9	14	20	18	18	9	6	6	6	6	6	38	
7	8	8	12	14	11	11	9	14	14	14	14	11	17	12	11	9	9	8	8	4	6	6	6	6	6	17	
8	8	8	6	8	6	6	6	6	9	8	15	20	14	12	11	11	8	9	11	18	18	8	14	14	11	20	
9	11	8	11	14	18	12	17	9	8	8	11	11	14	15	15	10	14	8	21	20	17	15	21	14	14	26	
10	14	20	23	20	12	15	18	14	15	23	20	21	15	26	17	12	11	9	9	11	15	15	17	17	16	26	
11	21	24	20	12	17	23	9	12	15	20	23	21	12	15	32	20	8	8	9	14	17	11	15	18	17	32	
12	15	12	15	15	11	9	14	11	14	18	21	15	18	16	18	11	12	12	14	14	11	11	11	11	14	21	
13	23	32	24	18	17	15	18	20	23	18	12	27	29	27	23	12	8	6	6	6	21	11	11	9	15	18	32
14	15	18	26	18	15	12	9	20	23	12	17	20	20	20	14	9	8	6	14	12	17	23	23	21	17	27	
15	12	14	20	26	27	23	14	17	24	15	9	11	12	14	18	9	14	11	8	20	14	14	23	30	17	30	
16	17	12	15	21	24	26	24	17	15	26	18	20	20	14	9	8	8	12	9	9	12	12	12	21	16	26	
17	30	18	23	17	15	9	14	15	11	15	26	23	21	15	15	17	8	8	15	20	14	15	11	15	16	30	
18	18	17	26	23	12	18	20	15	23	15	18	14	15	12	9	8	8	9	11	11	12	15	8	14	26	26	
19	9	9	14	20	12	11	24	24	27	32	11	11	20	17	18	15	12	8	8	8	9	14	9	17	15	32	
20	17	17	15	21	14	20	14	12	14	14	11	11	12	20	29	12	8	8	11	11	11	8	9	8	13	29	
21	9	9	14	23	14	20	15	15	32	32	14	26	21	27	14	12	11	11	20	21	15	8	9	9	16	32	
22	14	12	26	36	21	18	11	20	17	14	12	17	24	15	11	14	18	20	18	15	11	8	9	17	17	36	
23	23	20	11	36	14	24	14	11	11	17	11	11	12	11	12	12	12	9	11	15	12	12	14	12	14	36	
24	15	17	11	12	12	15	12	9	9	12	23	12	9	11	11	12	9	11	11	11	11	15	9	15	12	23	
25	12	24	21	15	12	35	14	12	17	26	30	12	14	9	9	11	9	9	8	8	23	35	14	26	17	35	
26	15	9	11	11	18	11	11	12	11	14	18	11	14	29	14	12	15	12	9	9	12	9	8	9	13	29	
27	18	18	17	18	15	15	15	15	11	14	14	18	26	15	15	9	8	11	11	11	15	12	6	9	18	26	
28	11	11	15	14	24	18	15	12	14	12	14	20	14	11	9	9	9	8	12	11	11	17	32	17	14	32	
29	12	12	14	14	14	18	15	17	12	9	18	21	17	14	27	20	9	6	15	15	11	17	17	20	29	15	27
30	17	18	21	43	14	18	14	17	15	20	21	20	17	16	12	11	8	8	9	12	11	12	26	17	17	43	
31	11	17	15	12	18	38	24	27	20	15	14	23	21	15	18	23	9	8	9	15	8	8	11	9	16	38	
AV	16	16	16	18	16	17	15	16	16	16	16	17	17	17	16	14	12	11	12	14	13	15	14	16	15	11	
50	5	6	5	8	5	7	5	5	6	7	6	7	5	6	6	5	5	4	8	5	4	7	7	7	2	11	

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 4

JAN. 1960

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-10	-09	-09	-09	-13	-10	-09	-09	-12	-12	-17	-18	-20	-19	-15	-14	-10	-09	-09	-09	-10	-11	-11	-09	-12	-20
2	-09	-10	-09	-09	-10	-11	-10	-09	-10	-12	-14	-14	-16	-16	-14	-14	-13	-13	-12	-14	-11	-11	-12	-10	-12	-16
3	-10	-12	-11	-13	-12	-12	-15	-10	-09	-10	-13	-14	-14	-14	-15	-15	-13	-13	-12	-10	-11	-10	-09	-09	-12	-15
4	-09	-11	-10	-11	-10	-10	-11	-11	-13	-15	-13	-14	-14	-14	-15	-14	-10	-09	-09	-09	-09	-09	-10	-10	-11	-15
5	-10	-10	-10	-10	-09	-09	-09	-10	-11	-13	-13	-14	-14	-14	-15	-17	-18	-10	-10	-13	-13	-14	-13	-13	-12	-18
6	-40	-72	-71	-47	-20	-25	-39	-19	-30	-52	-65	-63	-63	-46	-27	-20	-12	-10	-09	-13	-10	-10	-10	-09	-33	-72
7	-11	-09	-09	-09	-10	-13	-15	-11	-13	-21	-36	-44	-55	-49	-26	-11	-13	-10	-14	-16	-16	-16	-10	-14	-55	-84
8	-10	-09	-17	-22	-23	-23	-13	-10	-17	(MT)	-20	-20	-16	-12	-15	-18	-55	-67	-70	-80	-80	-80	-80	-84	-35	-84
9	-82	-75	-64	-62	-52	-41	-46	-64	-64	-79	-84	-84	-84	-81	-78	-80	-68	-53	-56	-68	-79	-71	-54	-65	-68	-84
10	-79	-87	-89	-87	-82	-81	-77	-77	-90	-91	-88	-88	-86	-87	-80	-66	-60	-67	-64	-71	-58	-23	-21	-73	-91	-73
11	-15	-21	-45	-49	-59	-34	-32	-14	-14	-14	-17	-19	-20	-18	-12	-11	-10	-14	-10	-10	-09	-13	-10	-11	-21	-59
12	-13	-14	-11	-10	-11	-15	-20	-18	-13	-15	-16	-23	-13	-13	-15	-14	-13	-14	-10	-10	-11	-10	-12	-18	-14	-23
13	-33	-15	-15	-12	-12	-15	-14	-38	-19	-14	-12	-19	-14	-14	-13	-51	-66	-69	-64	-67	-66	-70	-75	-68	-36	-75
14	-69	-77	-79	-79	-80	-73	-75	-75	-64	-45	-53	-61	-57	-57	-44	-16	-10	-13	-14	-10	-17	-11	-10	-11	-46	-80
15	-09	-12	-10	-10	-14	-17	-21	-13	-09	-10	-10	-14	-17	-18	-18	-15	-11	-13	-09	-09	-17	-12	-11	-09	-13	-21
16	-09	-09	-09	-09	-09	-09	-12	-14	-11	-09	-09	-10	-09	-12	-19	-24	-22	-15	-13	-11	-10	-09	-09	-09	-12	-24
17	-10	-11	-09	-09	-09	-09	-09	-09	-09	-09	-10	-20	-25	-22	-15	-11	-10	-10	-10	-10	-09	-10	-09	-09	-11	-25
18	-15	-09	-14	-09	-09	-09	-09	-09	-09	-09	-09	-11	-10	-12	-15	-14	-13	-10	-09	-16	-45	-47	-47	-47	-47	-87
19	-29	-35	-41	-44	-46	-52	-48	-40	-39	-33	-43	-38	-34	-30	-27	-24	-16	-11	-13	-15	-25	-28	-19	-14	-11	-52
20	-15	-18	-19	-12	-17	-29	-23	-21	-24	-19	-24	-26	-26	-25	-22	-23	-23	-18	-12	-10	-11	-09	-09	-09	-19	-29
21	-10	-09	-11	-10	-15	-10	-09	-09	-11	-15	-18	-15	-18	-21	-24	-22	-18	-24	-17	-18	-18	-20	-21	-20	-16	-24
22	-14	-13	-11	-14	-13	-13	-11	-14	-17	-18	-18	-18	-28	-28	-27	-22	-17	-18	-09	-15	-17	-19	-13	-18	-17	-24
23	-20	-18	-10	-15	-09	-13	-14	-10	-09	-11	-20	-23	-31	-26	-21	-16	-13	-13	-19	-12	-13	-24	-20	-16	-17	-31
24	-15	-15	-12	-13	-12	-12	-13	-12	-12	-15	-14	-17	-17	-21	-16	-14	-12	-14	-11	-12	-12	-12	-10	-13	-14	-21
25	-12	-12	-10	-11	-12	-16	-15	-14	-15	-14	-16	-16	-16	-16	-15	-13	-16	-10	-09	-14	-10	-14	-22	-20	-14	-22
26	-12	-09	-10	-11	-12	-09	-10	-09	-10	-20	-25	-28	-35	-34	-22	-25	-22	-18	-14	-10	-09	-17	-09	-16	-16	-35
27	-09	-13	-12	-14	-12	-09	-09	-12	-17	-12	-16	-18	-22	-21	-22	-14	-11	-10	-12	-09	-17	-19	-12	-19	-14	-22
28	-15	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-15
29	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-15
30	-16	-11	-10	-14	-15	-11	-11	-14	-14	-14	-11	-17	-18	-16	-20	-11	-09	-09	-09	-11	-10	-09	-09	-09	-13	-33
31	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-12	-17	-14	-16	-15	-12	-09	-09	-10	-12	-11	-15	-10	-11	-20
AV	-20	-21	-21	-21	-20	-20	-20	-19	-20	-23	-25	-26	-26	-24	-22	-20	-19	-19	-19	-19	-22	-22	-20	-20	-21	-1
SD	-20	-23	-23	-21	-20	-18	-18	-19	-20	-21	-20	-18	-16	-16	-16	-16	-16	-16	-18	-19	-21	-20	-14	-19	-16	-1

ADDDT (29 JAN 61)

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONARZA, UTAH
SITE 4

AS OF 31/MAR/81

FEB. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	
1	.09	.15	.16	.10	.09	.09	.11	.11	.11	.10	.12	.14	.21	.21	.19	.21	.16	.14	.16	.10	.14	.09	.18	.10	.14	.21
2	.10	.16	.09	.09	.09	.09	.09	.09	.09	.16	.15	.21	.17	.15	.14	.14	.09	.11	.10	.15	.12	.12	.12	.09	.12	.21
3	.10	.11	.10	.15	.12	.13	.09	.09	.09	.16	.14	.18	.15	.16	.14	.17	.09	.09	.15	.13	.11	.10	.09	.12	.18	.18
4	.09	.24	.15	.12	.11	.10	.09	.09	.09	.10	.09	.16	.19	.18	.19	.13	.10	.10	.10	.09	.10	.09	.14	.16	.13	.24
5	.12	.11	.20	.14	.12	.09	.09	.09	.09	.09	.13	.15	.17	.20	.18	.16	.16	.10	.09	.11	.10	.10	.13	.12	.13	.20
6	.10	.10	.09	.09	.10	.09	.09	.09	.09	.13	.17	.15	.15	.14	.17	.16	.09	.11	.10	.09	.10	.09	.10	.11	.17	.19
7	.13	.10	.09	.09	.12	.09	.09	.09	.09	.12	.16	.15	.15	.20	.35	.39	.39	.39	.39	.32	.22	.20	.21	.21	.19	.19
8	.20	.23	.15	.21	.20	.17	.11	.26	.33	.15	.14	.21	.22	.22	.23	.23	.20	.11	.09	.11	.19	.18	.27	.34	.34	
9	.27	.28	.20	.18	.20	.18	.21	.27	.16	.14	.20	.24	.25	.25	.23	.21	.20	.12	.09	.09	.09	.09	.09	.09	.18	.28
10	.09	.09	.10	.09	.09	.09	.09	.09	.09	.12	.16	.23	.22	.22	.26	.23	.15	.09	.09	.10	.09	.09	.09	.09	.12	.26
11	.09	.09	.09	.09	.09	.09	.09	.09	.09	.12	.16	.23	.22	.22	.20	.21	.20	.17	.10	.09	.09	.09	.09	.09	.12	.23
12	.09	.09	.13	.09	.12	.10	.12	.10	.10	.10	.14	.19	.21	.20	.20	.15	.12	.09	.09	.10	.11	.09	.09	.09	.12	.20
13	.09	.10	.10	.09	.09	.09	.11	.10	.10	.10	.14	.19	.21	.20	.20	.15	.12	.09	.09	.09	.09	.11	.09	.10	.12	.21
14	.11	.11	.11	.09	.09	.11	.14	.12	.15	.13	.18	.18	.20	.21	.16	.15	.11	.16	.11	.16	.11	.10	.16	.09	.13	.21
15	.10	.15	.10	.11	.10	.09	.09	.09	.11	.14	.15	.17	.19	.17	.15	.17	.15	.12	.10	.10	.11	.10	.10	.10	.13	.19
16	.12	.14	.14	.14	.09	.10	.13	.16	.14	.15	.13	.15	.17	.18	.21	.17	.15	.12	.10	.10	.11	.10	.10	.10	.13	.23
17	.09	.09	.10	.09	.10	.10	.10	.10	.10	.12	.12	.15	.21	.23	.20	.20	.14	.12	.12	.09	.09	.16	.21	.16	.13	.23
18	.54	.74	.57	.50	.33	.28	.22	.14	.13	.52	.78	.69	.51	.29	.34	.23	.28	.37	.29	.67	.46	.49	.58	.46	.44	.74
19	.46	.69	.54	.61	.45	.54	.72	.53	.27	.20	.30	.64	.65	.49	.73	.76	.51	.50	.36	.22	.20	.21	.21	.15	.46	.76
20	.12	.10	.37	.64	.62	.65	.53	.44	.56	.75	.77	.56	.45	.61	.44	.35	.21	.12	.27	.52	.52	.51	.57	.55	.47	.77
21	.54	.24	.15	.33	.19	.20	.59	.69	.65	.77	.70	.61	.49	.66	.67	.67	.52	.28	.18	.17	.18	.24	.22	.18	.42	.77
22	.16	.19	.16	.19	.22	.12	.09	.09	.10	.27	.37	.42	.46	.38	.40	.35	.34	.19	.11	.16	.19	.17	.36	.18	.46	.46
23	.15	.24	.12	.34	.56	.30	.10	.09	.09	.27	.31	.50	.45	.43	.42	.24	.22	.21	.19	.19	.27	.50	.63	.44	.30	.63
24	.40	.32	.22	.15	.19	.31	.15	.10	.09	.14	.25	.25	.30	.29	.39	.27	.27	.14	.09	.09	.10	.17	.16	.10	.21	.40
25	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.08	.17	.27	.27	.26	.33	.29	.21	.14	.09	.13	.09	.09	.09	.14	.30
26	.09	.10	.11	.09	.09	.09	.09	.09	.09	.16	.24	.24	.28	.30	.36	.29	.21	.16	.10	.09	.09	.09	.09	.09	.15	.33
27	.09	.09	.12	.17	.11	.09	.12	.10	.14	.15	.23	.24	.27	.28	.26	.22	.15	.14	.12	.10	.09	.09	.09	.09	.16	.24
28	.09	.11	.12	.17	.19	.12	.16	.15	.21	.21	.26	.29	.33	.28	.28	.21	.20	.16	.10	.26	.45	.30	.24	.44	.22	.45
29	.44	.32	.22	.14	.16	.14	.17	.28	.24	.23	.40	.34	.30	.27	.25	.30	.34	.24	.19	.23	.29	.27	.19	.24	.26	.48
AV	.18	.19	.17	.19	.18	.16	.17	.17	.16	.20	.24	.24	.28	.27	.28	.26	.23	.18	.14	.16	.17	.14	.20	.14	.20	.11
SD	.15	.16	.12	.15	.14	.13	.16	.15	.14	.19	.17	.13	.13	.15	.14	.11	.10	.08	.11	.12	.13	.15	.13	.15	.11	.11

AGOUT (29 JAN 81)

SIGMA W (CC121)
 METERS/SECOND
 LEVEL WEIGHT @ 10 METERS
 WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 MAR. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.20	.25	.28	.25	.20	.23	.15	.17	.25	.33	.34	.34	.29	.33	.27	.15	.09	.09	.09	.09	.10	.16	.23	.02	.22	.30
2	.17	.17	.21	.13	.13	.14	.10	.11	.12	.16	.16	.16	.32	.33	.27	.21	.30	.14	.22	.13	.11	.09	.09	.09	.18	.30
3	.10	.10	.09	.13	.13	.13	.11	.14	.13	.15	.25	.64	.75	.79	.80	.78	.63	.30	.29	.26	.64	.71	.67	.69	.34	.80
4	.75	.55	.45	.59	.37	.21	.19	.21	.23	.10	.18	.29	.42	.45	.45	.49	.56	.49	.43	.32	.39	.31	.27	.34	.75	.83
5	.39	.55	.65	.57	.60	.72	.77	.72	.54	.49	.61	.75	.70	.75	.83	.73	.69	.73	.71	.69	.75	.78	.68	.45	.66	.83
6	.56	.34	.38	.51	.52	.51	.40	.63	.47	.24	.18	.21	.17	.13	.18	.16	.21	.35	.16	.12	.10	.09	.09	.09	.24	.63
7	.09	.09	.09	.09	.09	.09	.09	.09	.09	.22	.35	.43	.38	.35	.27	.33	.47	.34	.17	.16	.13	.20	.35	.21	.41	.63
8	.35	.32	.35	.26	.16	.09	.10	.23	.26	.35	.44	.46	.47	.47	.53	.46	.34	.33	.34	.27	.30	.38	.44	.32	.53	.53
9	.40	.34	.24	.18	.21	.25	.28	.53	.40	.34	.42	.44	.44	.51	.47	.48	.47	.43	.25	.26	.46	.54	.50	.59	.39	.54
10	.55	.63	.53	.57	.46	.41	.56	.41	.28	.19	.24	.27	.32	.35	.32	.29	.24	.21	.39	.40	.29	.20	.31	.58	.37	.63
11	.49	.25	.13	.14	.12	.11	.10	.10	.11	.18	.25	.21	.30	.24	.46	.68	.51	.54	.60	.66	.79	.64	.59	.35	.79	.79
12	.61	.52	.57	.72	.73	.75	.72	.72	.66	.54	.65	.68	.62	.60	.56	.54	.48	.48	.36	.24	.16	.12	.17	.21	.52	.75
13	.37	.35	.17	.18	.19	.18	.10	.11	.20	.30	.35	.35	.40	.37	.34	.33	.22	.41	.66	.75	.72	.76	.75	.57	.74	.74
14	.35	.13	.10	.12	.16	.18	.27	.15	.17	.33	.48	.46	.26	.24	.36	.70	.73	.73	.61	.69	.59	.46	.39	.58	.39	.73
15	.78	.79	.78	.82	.78	.67	.60	.70	.30	.18	.54	.68	.54	.55	.71	.73	.64	.64	.46	.27	.13	.15	.58	.54	.57	.82
16	.47	.42	.62	.61	.42	.46	.21	.20	.26	.47	.66	.55	.64	.62	.60	.62	.67	.67	.43	.19	.14	.11	.14	.14	.43	.67
17	.14	.41	.17	.15	.25	.34	.50	.22	.18	.27	.41	.48	.59	.58	.54	.51	.52	.56	.53	.67	.58	.52	.48	.43	.67	.67
18	.27	.21	.27	.50	.45	.15	.14	.11	.17	.28	.32	.34	.36	.38	.37	.42	.34	.24	.13	.09	.09	.12	.19	.21	.24	.50
19	.14	.10	.12	.11	.13	.16	.26	.32	.25	.37	.40	.44	.52	.48	.50	.49	.46	.46	.47	.46	.18	.22	.14	.12	.30	.52
20	.11	.17	.34	.25	.26	.21	.18	.21	.22	.34	.39	.42	.44	.46	.46	.43	.52	.58	.58	.60	.59	.55	.55	.40	.39	.60
21	.46	.60	.38	.53	.38	.34	.35	.27	.59	.81	.85	.85	.85	.82	.83	.79	.66	.57	.39	.23	.14	.26	.64	.52	.55	.85
22	.55	.46	.24	.14	.14	.13	.16	.16	.17	.20	.28	.38	.51	.50	.45	.48	.54	.35	.34	.24	.15	.18	.17	.18	.30	.55
23	.33	.23	.33	.25	.12	.11	.12	.17	.20	.37	.39	.41	.44	.46	.45	.39	.35	.24	.14	.24	.30	.22	.20	.12	.27	.46
24	.15	.20	.28	.21	.12	.15	.15	.11	.20	.31	.34	.64	.71	.74	.67	.73	.63	.67	.46	.43	.27	.10	.10	.09	.35	.74
25	.16	.09	.09	.09	.09	.10	.09	.13	.12	.10	.09	.09	.09	.09	.09	.09	.09	.09	.09	.10	.10	.09	.09	.09	.10	.16
26	.09	.09	.09	.09	.10	.10	.10	.09	.09	.10	.10	.24	.28	.33	.34	.36	.36	.36	.47	.49	.69	.73	.65	.48	.29	.73
27	.54	.61	.54	.27	.18	.16	.10	.27	.25	.24	.34	.38	.42	.42	.42	.49	.48	.48	.31	.28	.33	.29	.18	.18	.33	.61
28	.14	.13	.14	.15	.13	.13	.17	.16	.18	.17	.47	.57	.60	.65	.64	.61	.61	.50	.34	.26	.24	.19	.15	.14	.31	.65
29	.16	.15	.13	.12	.11	.12	.18	.16	.24	.30	.35	.40	.44	.41	.45	.31	.23	.17	.30	.41	.56	.30	.24	.24	.24	.61
30	.47	.34	.35	.52	.39	.46	.17	.24	.21	.18	.27	.66	.76	.67	.54	.61	.40	.31	.32	.30	.34	.21	.15	.51	.39	.76
31	.20	.33	.35	.35	.23	.24	.23	.21	.31	.30	.35	.38	.43	.38	.43	.29	.21	.20	.19	.12	.11	.12	.11	.34	.50	.50
AV	.34	.32	.31	.31	.28	.26	.25	.25	.28	.36	.44	.46	.47	.46	.48	.46	.42	.35	.34	.34	.33	.34	.35	.35	.35	.35
SD	.20	.19	.19	.21	.19	.19	.19	.19	.14	.15	.17	.18	.18	.18	.17	.16	.17	.16	.18	.18	.23	.24	.20	.20	.20	.20

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 3 10 METERS

WHITE RIVER SMALL PROJECT #139

HONANZA, UTAH

SITE 4

APR, 1980

AEROENVIRONMENT INC.

.....
* F I R E A L D A T A *
* A S O F 3 1 / M A R / 8 0 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE		
1	.58	.57	.58	.36	-.23	-.18	-.12	-.16	-.27	.35	.35	.35	.37	.33	.37	.32	.30	.23	.16	.14	.28	.38	.28	.16	.32	.58	
2	.33	.35	.17	.18	-.21	-.17	-.23	-.22	-.22	.25	.31	.33	.28	.23	.28	.26	.29	.20	.23	.17	.12	.13	.11	.11	.11	.22	.35
3	.09	.19	.48	.44	.16	.16	.21	.17	.17	.22	.28	.31	.28	.31	.34	.30	.20	.23	.26	.14	.17	.31	.39	.34	.26	.48	
4	.17	.11	.09	.11	.09	.10	.22	.16	.21	.22	.30	.35	.27	.34	.41	.38	.41	.38	.31	.33	.51	.52	.35	.30	.27	.26	.52
5	.17	.17	.18	.18	.10	.10	.09	.10	.14	.28	.35	.55	.57	.68	.68	.63	.51	.31	.39	.32	.18	.17	.33	.27	.31	.68	
6	.37	.47	.50	.52	.45	.50	.55	.40	.29	.30	.41	.60	.63	.62	.65	.73	.76	.72	.53	.28	.13	.34	.30	.32	.47	.76	
7	.27	.61	.41	.33	.30	.51	.54	.71	.56	.63	.70	.77	.77	.70	.67	.74	.70	.67	.62	.55	.46	.32	.13	.20	.54	.78	
8	.18	.21	.18	.12	-.11	.14	.15	.17	.26	.30	.36	.28	.27	.36	.42	.35	.51	.54	.49	.05	.49	.05	.46	.56	.41	.38	.56
9	.17	.15	.36	.31	.41	.38	.54	.63	.62	.49	.50	.63	.70	.74	.75	.73	.71	.70	.67	.57	.38	.26	.36	.19	.50	.75	
10	.15	.15	.18	.15	.14	.13	.22	.20	.20	.28	.40	.44	.62	.64	.67	.62	.61	.55	.59	.48	.36	.31	.37	.27	.36	.67	
11	.21	.23	.16	.12	.15	.13	.13	.14	.33	.43	.47	.47	.45	.48	.48	.49	.50	.50	.59	.47	.47	.36	.35	.33	.35	.59	
12	.20	.17	.11	.11	.11	.12	.12	.14	.24	.32	.48	.36	.43	.43	.44	.43	.35	.21	.13	.09	.26	.40	.43	.31	.27	.48	
13	.32	.19	.17	.18	.12	.14	.24	.32	.36	.42	.41	.47	.49	.49	.40	.42	.40	.29	.14	.13	.35	.62	.31	.29	.31	.62	
14	.57	.08	.23	.32	.15	.13	.17	.24	.23	.28	.37	.42	.54	.48	.54	.58	.54	.64	.68	.58	.60	.60	.25	.21	.41	.68	
15	.18	.16	.24	.21	.21	.16	.24	.23	.32	.36	.41	.42	.47	.46	.49	.40	.35	.46	.21	.22	.31	.47	.52	.49	.33	.52	
16	.30	.20	.13	.12	.12	.10	.12	.21	.30	.35	.39	.40	.41	.43	.39	.43	.35	.23	.11	.11	.14	.23	.51	.35	.27	.51	
17	.24	.13	.18	.13	.14	.25	.22	.20	.25	.32	.35	.39	.40	.42	.48	.49	.52	.46	.40	.46	.55	.33	.32	.38	.38	.55	
18	.28	.15	.16	.11	.14	.12	.18	.21	.27	.30	.35	.36	.41	.49	.46	.43	.46	.56	.39	.36	.42	.29	.39	.56	.33	.56	
19	.45	.16	.16	.15	.14	.11	.11	.21	.27	.33	.37	.35	.61	.75	.67	.66	.63	.62	.43	.46	.42	.53	.68	.67	.41	.75	
20	.79	.76	.76	.70	.73	.60	.61	.58	.73	.82	.75	.58	.53	.39	.55	.42	.21	.31	.72	.57	.22	.11	.13	.13	.53	.42	
21	.12	.11	.13	.12	.13	.12	.15	.21	.23	.26	.37	.29	.34	.38	.45	.48	.48	.48	.56	.28	.25	.29	.31	.27	.29	.56	
22	.20	.36	.44	.57	.53	.51	.47	.22	.27	.34	.42	.43	.71	.61	.51	.49	.50	.30	.18	.12	.22	.40	.47	.40	.71	.40	
23	.42	.21	.12	.14	.11	.13	.18	.16	.22	.25	.32	.42	.39	.31	.27	.22	.32	.48	.36	.21	.25	.17	.22	.25	.26	.48	
24	.28	.27	.24	.16	.20	.19	.33	.28	.40	.45	.40	.46	.47	.47	.46	.44	.43	.45	.36	.25	.22	.20	.18	.21	.31	.47	
25	.17	.18	.11	.20	.27	.35	.24	.32	.38	.39	.41	.42	.45	.45	.43	.41	.32	.26	.18	.12	.18	.38	.31	.27	.31	.45	
26	.26	.42	.37	.21	.12	.13	.17	.25	.38	.39	.41	.42	.45	.49	.49	.43	.47	.33	.21	.15	.26	.58	.33	.23	.33	.58	
27	.49	.52	.21	.23	.27	.13	.14	.22	.28	.39	.28	.40	.46	.54	.66	.64	.48	.35	.16	.22	.54	.62	.43	.20	.37	.66	
28	.29	.18	.10	.10	.09	.13	.10	.09	.10	.18	.33	.58	.59	.72	.65	.68	.80	.50	.42	.29	.24	.17	.30	.28	.33	.40	
29	.24	.20	.12	.10	.10	.10	.14	.19	.19	.32	.36	.39	.33	.33	.37	.26	.21	.29	.21	.44	.45	.23	.34	.42	.25	.45	
AV	.30	.28	.26	.24	.21	.22	.23	.25	.29	.35	.40	.43	.47	.48	.49	.48	.45	.42	.36	.31	.38	.35	.35	.31	.30	.31	
90	.15	.17	.17	.15	.14	.15	.14	.13	.13	.13	.11	.11	.13	.14	.13	.14	.16	.16	.19	.17	.15	.14	.13	.12	.08	.11	

SIGMA W (CC121)

METERS/SECOND

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

MAY, 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.37	.20	.14	.16	.31	.17	.10	.14	.23	.28	.34	.34	.38	.42	.47	.45	.34	.38	.29	.22	.14	.28	.57	.43	.10	.57	
2	.25	.23	.25	.27	.34	.24	.16	.18	.33	.34	.43	.43	.74	.70	.59	.65	.76	.62	.38	.18	.17	.43	.44	.45	.40	.76	
3	.35	.53	.31	.23	.24	.18	.16	.14	.20	.36	.43	.45	.46	.38	.47	.46	.39	.46	.44	.55	.32	.21	.23	.15	.55	.55	
4	.16	.43	.34	.15	.12	.10	.11	.14	.21	.28	.41	.47	.48	.48	.48	.48	.44	.43	.39	.46	.57	.43	.25	.64	.35	.64	
5	.70	.31	.12	.10	.11	.10	.10	.13	.20	.24	.33	.26	.29	.36	.37	.46	.34	.31	.34	.45	.27	.39	.32	.47	.29	.70	
6	.26	.10	.15	.20	.15	.10	.10	.14	.20	.27	.30	.43	.36	.48	.51	.55	.69	.49	.42	.36	.38	.20	.41	.53	.32	.69	
7	.42	.25	.21	.42	.39	.21	.14	.13	.16	.24	.35	.75	.69	.67	.50	.39	.32	.35	.66	.27	.15	.12	.14	.19	.34	.75	
8	.40	.47	.37	.29	.30	.20	.11	.32	.32	.34	.34	.34	.33	.24	.23	.29	.39	.44	.65	.76	.77	.66	.74	.57	.41	.77	
9	.37	.29	.58	.25	.25	.17	.10	.12	.54	.79	.78	.68	.78	.84	.67	.41	.24	.18	.20	.15	.14	.18	.14	.14	.14	.40	.44
10	.11	.11	.21	.55	.43	.21	.14	.11	.35	.65	.81	.84	.83	.82	.85	.87	.67	.79	.61	.42	.27	.17	.18	.24	.49	.87	
11	.20	.15	.14	.14	.14	.29	.27	.28	.30	.34	.34	.29	.32	.36	.53	.70	.46	.36	.22	.22	.33	.63	.46	.25	.32	.70	
12	.45	.59	.76	.77	.52	.35	.51	.61	.69	.64	.62	.67	.63	.60	.58	.54	.45	.30	.25	.17	.37	.31	.21	.32	.50	.77	
13	.18	.13	.11	.12	.15	.14	.15	.36	.30	.29	.42	.37	.32	.37	.42	.41	.79	.62	.39	.39	.47	.61	.65	.47	.16	.79	
14	.34	.16	.16	.15	.13	.11	.12	.16	.26	.29	.35	.30	.33	.39	.30	.31	.33	.46	.54	.52	.56	.57	.36	.29	.31	.57	
15	.14	.10	.11	.32	.47	.31	.18	.14	.25	.32	.34	.38	.38	.39	.42	.41	.30	.25	.21	.57	.38	.46	.28	.22	.31	.57	
16	.34	.35	.23	.18	.17	.22	.25	.24	.33	.41	.42	.43	.61	.53	.37	.28	.29	.48	.39	.50	.30	.24	.39	.39	.15	.61	
17	.30	.38	.40	.41	.48	.53	.44	.44	.43	.33	.30	.35	.34	.35	.39	.28	.24	.17	.14	.10	.14	.16	.11	.13	.31	.53	
18	.15	.20	.26	.25	.24	.20	.14	.17	.24	.32	.41	.41	.41	.44	.35	.39	.34	.31	.24	.12	.10	.14	.23	.34	.27	.44	
19	.18	.22	.19	.22	.17	.15	.20	.26	.27	.32	.36	.39	.44	.46	.43	.38	.35	.26	.18	.15	.22	.38	.54	.41	.10	.54	
20	.39	.23	.23	.17	.13	.18	.15	.20	.28	.33	.38	.44	.38	.39	.37	.44	.33	.26	.18	.11	.14	.34	.55	.61	.30	.61	
21	.47	.36	.15	.12	.15	.14	.15	.21	.25	.31	.37	.39	.44	.47	.41	.35	.34	.27	.17	.15	.21	.45	.66	.68	.12	.68	
22	.70	.72	.32	.15	.16	.15	.15	.21	.23	.25	.24	.35	.51	.66	.68	.70	.76	.77	.68	.69	.61	.50	.51	.57	.47	.77	
23	.62	.43	.55	.57	.64	.74	.77	.84	.82	.83	.81	.80	.82	.78	.74	.75	.72	.79	.81	.58	.37	.45	.71	.68	.69	.80	
24	.75	.74	.74	.81	.76	.71	.74	.88	.87	.88	.86	.88	.83	.76	.77	.75	.76	.71	.80	.84	.78	.80	.59	.51	.77	.88	
25	.40	.41	.66	.66	.60	.64	.75	.66	.73	.65	.72	.77	.74	.79	.80	.64	.49	.36	.29	.29	.23	.40	.27	.24	.55	.80	
26	.25	.21	.24	.26	.52	.36	.54	.37	.35	.42	.50	.64	.69	.68	.64	.72	.70	.70	.57	.27	.18	.17	.28	.37	.84	.72	
27	.26	.27	.34	.49	.35	.39	.51	.44	.40	.79	.81	.79	.83	.80	.76	.78	.81	.71	.67	.54	.42	.37	.48	.30	.57	.83	
28	.35	.49	.25	.20	.26	.28	.26	.57	.83	.79	.80	.78	.73	.77	.76	.79	.78	.71	.69	.45	.42	.53	.37	.43	.54	.83	
29	.48	.41	.26	.24	.24	.34	.47	.42	.38	.42	.51	.52	.53	.55	.51	.47	.41	.46	.34	.24	.33	.34	.19	.23	.49	.55	
30	.24	.22	.27	.38	.32	.19	.17	.27	.33	.41	.40	.45	.47	.44	.62	.68	.66	.64	.71	.61	.41	.38	.26	.26	.41	.71	
31	.18	.17	.21	.30	.52	.50	.34	.54	.43	.44	.45	.51	.49	.47	.47	.50	.55	.55	.38	.28	.17	.33	.21	.19	.19	.55	
AV	.35	.32	.30	.31	.32	.28	.27	.32	.39	.45	.48	.52	.53	.54	.53	.53	.51	.47	.43	.37	.34	.37	.38	.38	.40	.1	
SD	.17	.17	.18	.19	.17	.17	.21	.21	.21	.21	.19	.19	.18	.17	.17	.17	.19	.19	.20	.20	.18	.17	.18	.16	.16	.1	

ADOUT (29 JAN 81)

SIGMA W (CCP21)
METERS/SECOND
LEVEL HEIGHT ± 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #

JUN, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MARZAI *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.16	.18	.20	.24	.34	.46	.28	.36	.66	.50	.42	.52	.56	.74	.66	.38	.34	.60	.62	.42	.22	.20	.20	.20	.40	.74
2	.42	.60	.32	.20	.20	.36	.78	.82	.78	.76	.78	.74	.78	.78	.80	.82	.80	.80	.60	.66	.44	.42	.62	.58	.60	.62
3	.40	.50	.56	.52	.66	.52	.56	.62	.60	.64	.64	.62	.62	.62	.64	.62	.64	.74	.74	.54	.46	.66	.66	.66	.66	.64
4	.66	.60	.74	.76	.68	.68	.64	.80	.84	.82	.82	.82	.80	.80	.80	.78	.78	.78	.80	.68	.66	.72	.70	.54	.72	.64
5	.42	.44	.24	.24	.26	.26	.36	.36	.42	.74	.76	.76	.76	.74	.74	.76	.78	.80	.74	.66	.74	.66	.72	.54	.54	.64
6	.42	.42	.36	.56	.70	.76	.70	.56	.64	.76	.74	.76	.74	.74	.74	.78	.78	.66	.64	.54	.40	.36	.20	.18	.54	.74
7	.22	.34	.34	.28	.22	.22	.28	.34	.40	.46	.48	.44	.52	.48	.42	.44	.34	.30	.30	.20	.16	.26	.40	.40	.34	.52
8	.34	.24	.20	.18	.16	.16	.20	.20	.32	.34	.40	.40	.48	.48	.46	.44	.44	.34	.34	.28	.16	.26	.28	.24	.30	.64
9	.14	.12	.12	.18	.22	.22	.22	.28	.34	.34	.42	.42	.46	.46	.46	.44	.34	.22	.26	.20	.30	.46	.64	.64	.32	.64
10	.40	.44	.20	.20	.30	.20	.22	.20	.34	.34	.40	.46	.64	.70	.72	.68	.64	.68	.74	.80	.62	.70	.74	.74	.50	.90
11	.74	.66	.60	.62	.54	.68	.72	.78	.76	.76	.76	.28	.26	.22	.14	.20	.34	.68	.74	.80	.62	.78	.82	.72	.60	.82
12	.70	.68	.68	.68	.56	.68	.68	.68	.70	.74	.66	.62	.60	.68	.64	.66	.54	.66	.72	.70	.76	.80	.78	.80	.68	.80
13	.78	.78	.80	.74	.66	.66	.34	.28	.28	.54	.74	.78	.80	.78	.80	.80	.76	.76	.70	.62	.62	.74	.76	.68	.64	.80
14	.64	.66	.66	.42	.50	.66	.66	.54	.74	.76	.74	.76	.70	.74	.74	.74	.74	.68	.56	.64	.64	.56	.46	.36	.64	.74
15	.20	.20	.16	.18	.22	.26	.28	.34	.44	.42	.44	.50	.54	.54	.52	.56	.56	.44	.44	.36	.20	.24	.22	.14	.34	.56
16	.18	.34	.22	.14	.16	.16	.20	.24	.30	.40	.42	.46	.48	.52	.50	.48	.38	.34	.20	.14	.16	.34	.46	.46	.32	.52
17	.36	.24	.16	.18	.22	.20	.24	.24	.36	.40	.44	.42	.44	.52	.48	.40	.34	.24	.12	.08	.14	.22	.30	.24	.24	.52
18	.50	.30	.24	.14	.12	.18	.18	.20	.26	.34	.42	.42	.44	.46	.52	.56	.52	.44	.36	.34	.26	.40	.16	.16	.34	.56
19	.16	.18	.14	.14	.34	.56	.60	.44	.34	.40	.36	.46	.52	.60	.66	.76	.52	.34	.24	.22	.26	.24	.24	.26	.40	.66
20	.24	.24	.24	.24	.18	.24	.24	.26	.32	.38	.40	.42	.40	.52	.68	.58	.60	.52	.56	.66	.70	.76	.74	.68	.44	.76
21	.42	.46	.40	.26	.24	.20	.24	.24	.32	.36	.48	.58	.68	.70	.72	.60	.58	.54	.46	.30	.34	.34	.52	.24	.42	.76
22	.20	.18	.20	.22	.18	.24	.22	.24	.34	.42	.42	.44	.46	.62	.70	.64	.62	.54	.54	.56	.56	.54	.60	.76	.44	.76
23	.82	.78	.60	.62	.68	.78	.70	.72	.80	.86	.82	.82	.84	.82	.84	.80	.80	.74	.74	.70	.60	.60	.22	.22	.70	.84
24	.80	.24	.26	.28	.24	.24	.24	.26	.30	.36	.46	.76	.78	.74	.70	.72	.64	.64	.64	.62	.66	.70	.78	.80	.60	.80
25	.74	.64	.60	.28	.18	.18	.28	.20	.34	.52	.72	.74	.76	.74	.74	.74	.76	.84	.84	.74	.66	.64	.64	.64	.60	.84
26	.56	.64	.52	.30	.18	.36	.64	.54	.74	.74	.84	.80	.80	.76	.74	.74	.74	.74	.72	.74	.70	.64	.54	.64	.64	.84
27	.46	.50	.52	.34	.42	.44	.42	.44	.34	.42	.44	.50	.52	.54	.58	.56	.64	.54	.56	.48	.32	.22	.14	.24	.44	.64
28	.20	.22	.26	.32	.32	.30	.36	.24	.30	.38	.42	.48	.50	.52	.52	.50	.48	.44	.42	.34	.24	.24	.34	.24	.34	.52
29	.24	.24	.24	.20	.18	.24	.46	.72	.42	.32	.36	.40	.50	.52	.46	.60	.54	.60	.36	.20	.24	.30	.24	.24	.34	.72
30	.24	.32	.36	.20	.18	.20	.24	.46	.32	.66	.46	.48	.46	.50	.46	.50	.48	.40	.32	.24	.44	.44	.32	.44	.34	.64
AV	.42	.42	.36	.34	.34	.40	.40	.46	.52	.56	.58	.60	.64	.64	.64	.62	.60	.54	.44	.44	.46	.44	.44	.44	.44	.44
SD	.22	.20	.20	.20	.18	.22	.20	.18	.20	.14	.16	.16	.14	.14	.16	.16	.14	.14	.14	.20	.20	.20	.22	.22	.22	.14

SIGMA W (CC121)

METERS/SECOND

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139

ROMANZA, UTAH

SITE #

JUL, 1960

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	.14	.16	.24	.40	.34	.20	.16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.28	.26	.42	.64	.56	.60	.70	.62		.24	.40		
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.44	.44	.42	.44	.44	.44	.44	.44	.44	.44	.50	.70	
3	.34	.38	.52	.32	.16	.12	.12	.22	.32	.32	.40	.44	.34	.32	.34	.50	.52	.60	.52	.24	.30	.28	.16	.14		.34	.60	
4	.34	.32	.20	.36	.24	.24	.36	.30	.30	.34	.40	.44	.46	.52	.50	.44	.42	.34	.36	.20	.36	.32	.46	.44		.14	.52	
5	.38	.46	.28	.12	.34	.34	.40	.38	.30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)		.32	.46	
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)		.40	.72	
7	.22	.16	.14	.18	.22	.28	.36	.36	.22	.20	.24	.46	.40	.40	.74	.64	.72	.70	.64	.54	.50	.44	.32	.74		.48	.44	
8	.60	.50	.50	.54	.52	.40	.44	.54	.56	.56	.56	.58	.56	.48	.60	.66	.56	.48	.64	.26	.54	.46	.26	.16		.50	.64	
9	.12	.16	.14	.16	.18	.12	.14	.20	.32	.36	.40	.44	.44	.44	.44	.46	.40	.30	.32	.16	.36	.48	.60	.34		.32	.60	
10	.18	.16	.12	.14	.14	.14	.18	.24	.34	.40	.44	.46	.52	.62	.66	.56	.60	.52	.74	.64	.54	.54	.52	.40		.40	.74	
11	.18	.12	.16	.32	.24	.18	.20	.20	.28	.36	.38	.46	.46	.44	.76	.72	.48	.38	.28	.18	.20	.30	.48	.60		.38	.76	
12	.36	.28	.16	.44	.62	.60	.64	.64	.66	.48	.60	.62	.24	.64	.74	.68	.62	.38	.20	.12	.46	.70	.64	.20		.44	.74	
13	.20	.18	.34	.54	.70	.66	.56	.56	.60	.66	.60	.44	.56	.62	.54	.42	.70	.56	.34	.34	.62	.50	.66	.42		.54	.42	
14	.82	.70	.30	.30	.68	.64	.68	.64	.52	.52	.50	.58	.60	.70	.74	.68	.64	.64	.60	.58	.60	.76	.34	.16		.54	.42	
15	.26	.76	.68	.40	.30	.44	.56	.46	.34	.36	.48	.46	.50	.52	.54	.54	.56	.48	.44	.40	.28	.20	.18	.28		.44	.76	
16	.38	.26	.18	.20	.18	.24	.14	.24	.32	.38	.40	.46	.46	.50	.48	.44	.44	.38	.22	.14	.16	.46	.60	.42		.34	.60	
17	.24	.38	.36	.16	.14	.18	.16	.26	.30	.36	.38	.42	.46	.46	.52	.58	.64	.64	.40	.44	.44	.30	.20	.16	.22		.34	.44
18	.28	.38	.22	.26	.20	.20	.26	.24	.28	.36	.42	.46	.50	.52	.52	.48	.54	.46	.56	.32	.52	.56	.70	.32		.40	.70	
19	.42	.68	.48	.22	.40	.18	.44	.42	.36	.42	.48	.50	.58	.66	.64	.60	.50	.40	.48	.50	.40	.26	.14	.14		.44	.64	
20	.12	.10	.12	.10	.18	.16	.14	.22	.30	.36	.44	.44	.48	.50	.48	.50	.52	.40	.26	.20	.16	.14	.14	.20		.28	.52	
21	.16	.22	.10	.18	.16	.12	.10	.22	.28	.40	.42	.46	.44	.46	.54	.52	.40	.46	.42	.32	.14	.10	.12	.14	.20		.34	.54
22	.22	.22	.20	.36	.20	.22	.20	.26	.32	.34	.34	.48	.46	.52	.76	.52	.40	.34	.38	.34	.54	.70	.54	.24		.34	.70	
23	.36	.54	.30	.14	.10	.16	.40	.46	.36	.36	.44	.44	.46	.52	.76	.52	.40	.34	.38	.34	.54	.70	.54	.24		.34	.70	
24	.50	.26	.24	.22	.20	.14	.28	.42	.30	.34	.36	.46	.46	.46	.54	.48	.40	.46	.50	.56	.50	.34	.26	.24		.34	.56	
25	.16	.16	.16	.14	.14	.18	.22	.36	.32	.36	.40	.46	.48	.52	.60	.54	.40	.22	.22	.28	.28	.20	.28	.22		.30	.64	
26	.24	.38	.56	.68	.34	.14	.14	.20	.30	.34	.38	.46	.48	.50	.50	.48	.34	.34	.30	.54	.56	.50	.32	.30		.30	.64	
27	.20	.26	.38	.26	.18	.16	.16	.22	.36	.40	.38	.46	.46	.48	.48	.42	.36	.40	.22	.14	.10	.12	.14	.16		.34	.64	
28	.18	.14	.24	.20	.10	.12	.20	.28	.36	.46	.46	.46	.46	.48	.48	.48	.46	.36	.26	.14	.12	.46	.68	.54		.34	.64	
29	.34	.16	.36	.34	.18	.40	.50	.46	.34	.32	.42	.46	.56	.40	.64	.42	.42	.26	.26	.26	.22	.32	.24	.50		.40	.40	
30	.28	.16	.14	.18	.22	.24	.20	.26	.36	.40	.42	.50	.54	.52	.56	.48	.50	.48	.42	.28	.14	.14	.16	.16		.32	.54	
31	.14	.12	.14	.14	.14	.20	.18	.24	.30	.40	.38	.42	.46	.44	.44	.40	.42	.40	.36	.34	.34	.32	.14	.12	.18		.34	.46
AV	.28	.30	.28	.28	.26	.30	.34	.34	.38	.42	.46	.50	.54	.56	.56	.52	.50	.44	.40	.34	.36	.38	.38	.34		.34	.46	
SD	.16	.18	.14	.14	.16	.16	.14	.10	.08	.08	.04	.10	.10	.12	.10	.10	.10	.12	.16	.14	.16	.14	.20	.20		.34	.46	

ABOUT 129 JAN 61

SIGMA P (CC121)

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE #

AUG. 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE OVER	
1	-26	-16	-12	-14	-20	-30	-34	-16	-34	-24	-40	-46	-46	-48	-48	-60	-56	-74	-52	-30	-24	-32	-46	-44	-36	-74
2	-48	-34	-22	-16	-18	-24	-24	-24	-30	-32	-44	-42	-50	-52	-58	-48	-50	-44	-48	-38	-24	-32	-24	-16	-34	-54
3	-26	-20	-26	-24	-18	-36	-40	-24	-24	-36	-42	-56	-72	-72	-74	-74	-72	-74	-70	-56	-46	-46	-46	-40	-46	-74
4	-34	-36	-30	-34	-44	-16	-16	-22	-28	-36	-42	-56	-50	-54	-52	-50	-52	-54	-50	-46	-28	-32	-24	-32	-34	-56
5	-18	-20	-20	-14	-20	-16	-14	-20	-28	-30	-40	-42	-46	-50	-38	-60	-62	-58	-54	-40	-54	-72	-78	-76	-40	-74
6	-66	-76	-50	-26	-56	-34	-20	-26	-36	-46	-50	-60	-66	-66	-66	-66	-66	-66	-60	-34	-40	-60	-60	-44	-50	-76
7	-12	-16	-14	-26	-22	-14	-16	-32	-26	-32	-44	-46	-46	-52	-46	-48	-40	-34	-28	-22	-44	-54	-44	-32	-34	-54
8	-38	-46	-34	-18	-14	-18	-30	-22	-24	-34	-38	-40	-50	-60	-66	-60	-52	-42	-28	-14	-24	-40	-34	-36	-66	-64
9	-42	-68	-52	-28	-42	-72	-66	-66	-56	-56	-48	-48	-54	-54	-54	-56	-52	-52	-48	-32	-14	-12	-14	-46	-46	-44
10	-58	-20	-12	-12	-18	-14	-14	-20	-28	-32	-44	-46	-54	-54	-54	-52	-52	-56	-46	-44	-34	-24	-18	-22	-34	-54
11	-24	-24	-16	-12	-12	-10	-12	-22	-24	-30	-36	-42	-48	-46	-46	-42	-38	-36	-24	-14	-14	-24	-30	-50	-28	-50
12	-40	-28	-20	-34	-22	-14	-18	-22	-40	-74	-66	-52	-42	-48	-38	-40	-64	-50	-42	-54	-66	-74	-68	-64	-46	-64
13	-68	-36	-14	-52	-64	-42	-40	-22	-28	-40	-44	-44	-46	-44	-46	-46	-46	-50	-40	-52	-34	-68	-58	-28	-44	-64
14	-30	-24	-16	-18	-12	-16	-14	-24	-30	-38	-40	-42	-40	-46	-64	-60	-52	-48	-62	-54	-72	-48	-26	-30	-34	-72
15	-28	-32	-32	-48	-76	-54	-52	-28	-26	-44	-44	-56	-68	-72	-66	-54	-52	-56	-28	-34	-62	-44	-40	-26	-44	-74
16	-18	-18	-22	-14	-20	-14	-16	-42	-28	-30	-42	-48	-44	-48	-46	-50	-44	-34	-20	-14	-22	-14	-22	-24	-30	-50
17	-20	-34	-52	-38	-16	-18	-14	-18	-26	-34	-34	-38	-44	-42	-54	-46	-52	-34	-42	-30	-38	-58	-64	-60	-34	-64
18	-30	-46	-14	-12	-16	-18	-12	-16	-34	-74	-74	-78	-82	-84	-78	-82	-82	-80	-68	-70	-62	-64	-64	-68	-54	-84
19	-72	-70	-64	-72	-74	-72	-76	-72	-78	-76	-74	-76	-72	-54	-68	-50	-40	-60	-46	-24	-30	-36	-28	-18	-54	-78
20	-16	-14	-18	-24	-34	-26	-34	-30	-34	-34	-40	-46	-50	-52	-48	-46	-40	-30	-18	-14	-38	-50	-18	-18	-32	-52
21	-14	-20	-32	-30	-16	-16	-12	-22	-28	-34	-38	-42	-44	-44	-44	-46	-40	-28	-16	-24	-56	-70	-64	-52	-34	-70
22	-52	-44	-18	-20	-16	-10	-10	-14	-22	-34	-38	-36	-68	-76	-82	-74	-70	-72	-70	-56	-44	-62	-56	-64	-46	-82
23	-54	-64	-72	-64	-60	-50	-42	-38	-64	-62	-60	-62	-70	-62	-74	-60	-28	-46	-60	-84	-48	-86	-74	-62	-84	-84
24	-64	-24	-18	-30	-44	-68	-68	-54	-44	-44	-38	-44	-40	-46	-46	-54	-58	-46	-44	-34	-14	-18	-62	-74	-66	-74
25	-34	-12	-14	-52	-70	-58	-38	-46	-34	-34	-30	-48	-46	-30	-34	-38	-40	-46	-28	-14	-14	-28	-38	-20	-34	-70
26	-14	-16	-20	-18	-32	-34	-22	-50	-46	-32	-28	-34	-34	-36	-38	-36	-46	-36	-52	-60	-14	-14	-14	-24	-32	-60
27	-26	-20	-18	-14	-14	-12	-12	-16	-24	-28	-24	-34	-36	-38	-50	-64	-54	-56	-44	-44	-16	-52	-74	-74	-34	-74
28	-76	-80	-44	-30	-20	-34	-32	-32	-24	-26	-28	-68	-72	-74	-70	-72	-74	-70	-60	-68	-72	-72	-64	-70	-54	-40
29	-70	-72	-64	-74	-72	-74	-82	-78	-72	-62	-62	-56	-56	-42	-42	-42	-42	-42	-42	-64	-66	-66	-64	-74	-70	-42
30	-78	-44	-34	-66	-38	-62	-70	-48	-22	-24	-28	-34	-38	-42	-46	-62	-62	-18	-60	-50	-34	-24	-14	-18	-42	-74
31	-14	-12	-14	-14	-16	-14	-10	-12	-20	-22	-24	-32	-42	-46	-46	-46	-46	-44	-26	-14	-14	-14	-14	-22	-24	-46
AV	-40	-36	-28	-30	-32	-32	-30	-32	-34	-40	-44	-48	-52	-54	-56	-56	-54	-50	-44	-40	-40	-46	-44	-44	-42	-46
SD	-20	-20	-18	-18	-22	-22	-22	-18	-14	-16	-12	-12	-12	-12	-14	-12	-12	-14	-16	-20	-20	-22	-22	-20	-10	-10

SIGMA W (CC211)
 WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

METERS/SECOND
 LEVEL HEIGHT 10 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.18	.12	.10	.18	.46	.20	.14	.20	.24	.34	.38	.46	.42	.42	.38	.34	.24	.14	.14	.40	.32	.52	.74	.44	.32	.74	
2	.38	.18	.16	.18	.18	.18	.14	.14	.28	.34	.34	.38	.46	.46	.46	.46	.62	.62	.48	.52	.72	.78	.76	.44	.42	.78	
3	.60	.82	.60	.46	.20	.28	.28	.30	.42	.40	.38	.44	.46	.46	.50	.46	.44	.44	.36	.22	.14	.12	.16	.26	.40	.42	
4	.16	.16	.18	.16	.12	.10	.16	.16	.26	.38	.36	.42	.44	.46	.40	.34	.18	.12	.10	.18	.44	.36	.36	.36	.26	.44	
5	.18	.18	.18	.14	.12	.10	.14	.14	.26	.28	.34	.42	.34	.44	.40	.38	.30	.28	.20	.14	.18	.34	.52	.54	.28	.54	
6	.42	.28	.48	.42	.44	.38	.42	.48	.66	.64	.52	.58	.52	.50	.48	.48	.38	.28	.18	.30	.46	.54	.62	.60	.46	.66	
7	.56	.42	.58	.22	.18	.14	.18	.18	.26	.30	.24	.24	.20	.22	.24	.20	.24	.14	.10	.22	.32	.40	.20	.20	.24	.58	
8	.42	.32	.18	.20	.34	.30	.14	.16	.30	.30	.24	.14	.14	.26	.26	.20	.14	.12	.12	.10	.10	.08	.10	.20	.20	.42	
9	.08	.08	.10	.08	.10	.10	.10	.18	.18	.24	.22	.18	.22	.22	.28	.26	.16	.16	.18	.28	.16	.10	.08	.08	.18	.28	
10	.20	.16	.14	.10	.14	.28	.40	.64	.34	.68	.68	.66	.66	.66	.66	.64	.62	.38	.22	.26	.34	.36	.44	.52	.42	.68	
11	.54	.46	.44	.46	.40	.34	.22	.26	.26	.32	.38	.36	.42	.40	.34	.48	.26	.20	.24	.36	.36	.58	.52	.30	.48	.60	
12	.28	.28	.28	.18	.14	.14	.10	.14	.18	.30	.34	.68	.80	.76	.72	.72	.64	.56	.44	.52	.46	.50	.50	.52	.58	.48	
13	.64	.60	.48	.46	.40	.50	.24	.38	.44	.46	.74	.70	.40	.42	.40	.38	.32	.18	.14	.28	.60	.68	.28	.28	.48	.74	
14	.28	.22	.20	.16	.20	.22	.20	.22	.26	.30	.32	.34	.36	.44	.38	.56	.44	.44	.44	.52	.58	.58	.64	.62	.34	.64	
15	.66	.60	.48	.22	.32	.40	.46	.44	.34	.42	.60	.64	.64	.62	.60	.58	.56	.50	.46	.46	.46	.48	.40	.34	.28	.48	
16	.30	.38	.40	.48	.52	.56	.52	.24	.38	.44	.46	.44	.46	.42	.38	.40	.32	.24	.24	.22	.22	.24	.50	.54	.40	.56	
17	.40	.28	.28	.32	.26	.22	.22	.28	.26	.30	.34	.44	.46	.58	.76	.78	.70	.70	.58	.58	.78	.82	.82	.70	.50	.82	
18	.48	.64	.62	.66	.68	.66	.68	.72	.70	.72	.70	.68	.72	.78	.68	.56	.46	.36	.34	.34	.46	.46	.40	.30	.54	.74	
19	.34	.34	.42	.30	.34	.42	.28	.24	.28	.34	.40	.42	.44	.48	.40	.44	.38	.28	.24	.32	.46	.56	.32	.34	.34	.46	
20	.28	.28	.44	.42	.42	.30	.26	.32	.34	.36	.46	.48	.50	.52	.50	.42	.40	.46	.42	.44	.42	.44	.36	.44	.40	.62	
21	.40	.46	.40	.38	.38	.44	.44	.34	.36	.42	.44	.46	.50	.46	.42	.44	.42	.40	.46	.42	.44	.36	.44	.40	.42	.62	
22	.46	.46	.44	.40	.40	.40	.44	.48	.38	.36	.40	.42	.44	.48	.48	.44	.40	.34	.32	.46	.40	.42	.34	.42	.40	.50	
23	.54	.46	.44	.40	.40	.40	.44	.48	.38	.36	.40	.42	.44	.48	.48	.44	.40	.34	.32	.46	.40	.42	.34	.42	.40	.54	
24	.34	.34	.44	.44	.46	.50	.48	.44	.42	.46	.50	.52	.56	.54	.50	.48	.44	.46	.52	.42	.38	.50	.54	.58	.48	.58	
25	.56	.54	.48	.58	.62	.66	.66	.78	.62	.56	.46	.46	.50	.50	.46	.46	.46	.52	.24	.60	.58	.66	.64	.68	.54	.78	
26	.46	.50	.60	.56	.70	.72	.68	.70	.74	.62	.54	.52	.46	.46	.44	.46	.42	.46	.58	.44	.44	.52	.52	.64	.54	.74	
27	.54	.42	.34	.50	.52	.46	.58	.42	.42	.40	.40	.42	.44	.42	.42	.38	.42	.46	.44	.44	.42	.42	.56	.64	.46	.58	
28	.50	.46	.44	.40	.42	.46	.46	.64	.54	.44	.48	.44	.50	.54	.50	.46	.48	.48	.46	.50	.60	.64	.54	.46	.46	.50	
29	.48	.50	.68	.58	.64	.72	.70	.52	.50	.46	.46	.46	.50	.46	.44	.42	.48	.56	.58	.60	.60	.60	.58	.54	.54	.72	
30	.52	.64	.66	.68	.64	.68	.70	.70	.66	.58	.70	.58	.54	.50	.56	.56	.50	.58	.52	.62	.56	.60	.60	.60	.60	.60	.70
AV	.40	.38	.38	.34	.36	.38	.36	.36	.38	.42	.44	.46	.46	.48	.48	.46	.42	.38	.34	.36	.42	.46	.48	.44	.40	.40	
SO	.16	.18	.18	.18	.18	.18	.20	.20	.16	.14	.14	.14	.14	.14	.14	.14	.14	.16	.16	.16	.16	.18	.18	.18	.18	.18	

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 8 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

OCT, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE
1	.52	.69	.65	.53	.53	.62	.60	.48	.41	.61	.61	.47	.52	.54	.55	.53	.50	.43	.39	.51	.42	.42	.42	.44	.52
2	.45	.51	.48	.59	.50	.45	.41	.42	.46	.56	.49	.43	.43	.33	.24	.20	.27	.20	.16	.32	.27	.24	.23	.20	.38
3	.25	.32	.24	.34	.32	.20	.21	.20	.19	.21	.34	.27	.19	.23	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.25
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
13	.81	.77	.73	.49	.61	.75	.75	.57	.45	.36	.39	.39	.40	.45	.42	.38	.32	.49	.52	.43	.44	.33	.30	.35	.49
14	.24	.23	.19	.25	.22	.20	.13	.13	.15	.16	.21	.30	.16	.30	.28	.23	.19	.81	.76	.49	.21	.16	.40	.36	.24
15	.66	.79	.76	.75	.75	.62	.66	.44	.36	.65	.61	.73	.65	.61	.67	.74	.43	.47	.40	.24	.14	.14	.14	.13	.53
16	.21	.27	.24	.20	.27	.25	.24	.14	.14	.15	.15	.21	.21	.24	.29	.28	.40	.46	.44	.49	.49	.40	.41	.42	.29
17	.41	.15	.13	.21	.40	.36	.42	.53	.47	.34	.37	.43	.44	.48	.46	.46	.41	.24	.30	.40	.33	.28	.21	.21	.35
18	.29	.24	.18	.22	.24	.36	.40	.24	.21	.28	.25	.24	.29	.33	.33	.27	.21	.11	.04	.27	.61	.51	.35	.28	.28
19	.16	.24	.19	.17	.15	.13	.12	.12	.19	.21	.31	.31	.36	.34	.35	.30	.26	.16	.11	.12	.14	.20	.18	.18	.22
20	.14	.12	.11	.14	.15	.16	.15	.25	.22	.23	.27	.31	.34	.34	.35	.25	.23	.11	.09	.22	.48	.36	.23	.18	.23
21	.17	.15	.11	.15	.17	.43	.24	.17	.23	.29	.34	.31	.34	.35	.34	.33	.23	.14	.21	.36	.57	.77	.40	.75	.33
22	.70	.67	.53	.41	.47	.45	.53	.56	.61	.54	.63	.67	.65	.59	.65	.68	.74	.70	.57	.50	.40	.34	.36	.28	.55
23	.28	.30	.32	.26	.34	.34	.31	.39	.41	.41	.42	.43	.45	.40	.45	.40	.35	.37	.29	.35	.44	.40	.39	.50	.34
24	.42	.33	.39	.34	.34	.57	.43	.36	.35	.35	.41	.41	.40	.41	.39	.36	.29	.21	.24	.37	.48	.48	.38	.47	.36
25	.40	.46	.45	.45	.40	.38	.31	.39	.43	.37	.37	.41	.44	.42	.37	.36	.35	.35	.33	.48	.39	.42	.35	.42	.40
26	.45	.36	.36	.33	.41	.30	.39	.40	.43	.48	.36	.34	.38	.38	.34	.35	.42	.32	.33	.43	.31	.24	.24	.19	.34
27	.14	.21	.19	.20	.17	.15	.18	.17	.16	.35	.42	.39	.47	.44	.44	.42	.36	.31	.27	.28	.22	.22	.22	.29	.29
28	.23	.24	.23	.18	.14	.15	.18	.15	.17	.27	.38	.36	.35	.34	.26	.18	.17	.21	.16	.22	.39	.34	.26	.25	.39
29	.24	.25	.38	.35	.34	.24	.22	.24	.22	.26	.31	.34	.35	.34	.31	.30	.23	.21	.16	.15	.10	.20	.22	.24	.24
30	.21	.24	.24	.17	.21	.26	.25	.21	.21	.24	.34	.34	.34	.35	.30	.27	.22	.22	.22	.26	.27	.24	.19	.22	.25
31	.23	.24	.24	.23	.23	.20	.27	.18	.23	.22	.26	.30	.34	.31	.32	.27	.19	.28	.34	.25	.26	.41	.46	.45	.28
AV	.36	.35	.34	.31	.34	.35	.34	.31	.31	.34	.37	.39	.39	.40	.36	.36	.34	.34	.33	.36	.37	.36	.34	.34	.35
80	.18	.20	.19	.15	.16	.17	.17	.15	.13	.14	.13	.12	.11	.13	.11	.14	.14	.19	.19	.15	.16	.16	.15	.17	.11

STIGMA W (CC:21)
 METERS/SOUND
 LEVEL WEIGHT : 10 METERS

WHITE HIVEN SHALE PROJECT, #159
 HONANZA, UTAH
 SITE # 4
 NOV, 1980
 AEROGUMENT INC.

 * FINAL DATA *
 * AS OF 04/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.27	.34	.36	.29	.28	.29	.30	.32	.29	.27	.30	.33	.34	.36	.31	.25	.20	.24	.28	.27	.27	.30	.28	.28	.29	.36
2	.24	.27	.26	.28	.28	.31	.26	.26	.29	.29	.30	.30	.29	.29	.27	.25	.24	.21	.23	.23	.23	.24	.28	.29	.27	.34
3	.38	.22	.27	.27	.26	.26	.41	.25	.23	.27	.29	.29	.32	.32	.31	.22	.21	.21	.18	.21	.23	.26	.21	.29	.27	.41
4	.25	.27	.25	.25	.24	.25	.28	.27	.28	.27	.28	.27	.34	.29	.24	.25	.27	.33	.34	.34	.34	.35	.37	.44	.29	.40
5	.34	.32	.28	.34	.29	.28	.27	.27	.29	.29	.32	.33	.34	.36	.33	.31	.23	.26	.35	.34	.46	.23	.46	.45	.32	.46
6	.28	.33	.34	.32	.34	.31	.23	.28	.30	.31	.31	.32	.31	.31	.32	.31	.22	.37	.65	.73	.72	.71	.68	.41	.73	.41
7	.58	.47	.64	.75	.79	.77	.74	.75	.62	.59	.54	.54	.56	.56	.60	.62	.59	.68	.71	.70	.79	.68	.51	.77	.51	.79
8	.52	.48	.53	.52	.52	.53	.44	.33	.48	.50	.47	.43	.46	.47	.47	.52	.51	.47	.37	.47	.54	.59	.62	.54	.59	.79
9	.65	.55	.49	.47	.65	.55	.44	.41	.45	.56	.51	.47	.42	.43	.41	.44	.44	.39	.50	.53	.54	.54	.65	.51	.65	.65
10	.48	.58	.63	.60	.50	.72	.55	.68	.58	.60	.60	.47	.45	.42	.43	.38	.50	.53	.57	.53	.54	.54	.48	.51	.49	.65
11	.66	.67	.56	.60	.61	.58	.56	.46	.46	.62	.63	.46	.30	.43	.37	.57	.67	.71	.71	.68	.69	.63	.71	.79	.50	.79
12	.23	.69	.85	.73	.50	.41	.41	.46	.32	.33	.25	.26	.32	.35	.28	.31	.36	.30	.33	.35	.35	.34	.30	.28	.39	.85
13	.64	.24	.22	.24	.22	.24	.23	.28	.32	.32	.31	.34	.35	.34	.33	.28	.24	.25	.22	.23	.29	.24	.20	.21	.27	.35
14	.20	.22	.16	.15	.22	.16	.22	.18	.24	.27	.26	.32	.38	.38	.35	.30	.27	.25	.24	.26	.26	.35	.31	.28	.26	.38
15	.20	.22	.16	.15	.22	.16	.22	.18	.24	.27	.26	.32	.38	.38	.35	.30	.27	.25	.24	.26	.26	.35	.31	.28	.26	.38
16	.31	.25	.24	.23	.24	.25	.25	.26	.26	.28	.28	.31	.34	.35	.37	.30	.24	.22	.28	.30	.26	.28	.27	.33	.28	.37
17	.33	.31	.32	.26	.30	.29	.27	.27	.28	.28	.37	.38	.41	.35	.36	.34	.26	.26	.34	.25	.28	.42	.42	.43	.33	.43
18	.54	.39	.43	.43	.49	.40	.33	.37	.53	.47	.39	.41	.44	.40	.36	.32	.32	.47	.44	.26	.36	.31	.43	.48	.39	.53
19	.58	.53	.41	.42	.38	.38	.37	.35	.40	.42	.38	.41	.44	.37	.35	.34	.37	.36	.35	.45	.41	.42	.41	.50	.41	.58
20	.39	.43	.41	.36	.41	.41	.40	.46	.47	.40	.39	.39	.40	.39	.32	.25	.24	.40	.48	.48	.55	.35	.35	.36	.38	.40
21	.39	.41	.40	.55	.53	.39	.42	.38	.44	.36	.35	.37	.38	.32	.26	.23	.27	.37	.49	.46	.46	.45	.42	.34	.39	.55
22	.51	.50	.45	.52	.53	.46	.51	.48	.38	.41	.37	.35	.35	.34	.37	.35	.40	.46	.42	.40	.38	.45	.39	.44	.43	.53
23	.46	.35	.51	.45	.52	.49	.46	.33	.41	.44	.42	.39	.42	.41	.39	.42	.53	.52	.48	.55	.59	.49	.47	.40	.45	.59
24	.45	.38	.47	.40	.38	.14	.22	.49	.30	.26	.45	.38	.28	.18	.14	.17	.13	.14	.09	.08	.08	.08	.09	.09	.24	.47
25	.09	.09	.09	.09	.09	.08	.08	.08	.08	.08	.08	.12	.13	.47	.41	.36	.30	.35	.36	.20	.34	.30	.34	.35	.21	.47
26	.30	.36	.26	.36	.34	.24	.29	.27	.28	.26	.26	.26	.28	.27	.23	.20	.19	.21	.22	.24	.23	.23	.23	.23	.26	.36
27	.30	.42	.44	.44	.32	.33	.27	.30	.24	.30	.31	.28	.31	.30	.28	.31	.30	.26	.21	.23	.23	.23	.23	.27	.30	.44
28	.34	.24	.23	.31	.27	.30	.29	.22	.26	.25	.27	.30	.34	.32	.34	.36	.42	.53	.42	.53	.57	.55	.41	.48	.35	.57
29	.30	.32	.31	.28	.28	.29	.26	.23	.23	.24	.24	.27	.28	.24	.24	.27	.15	.34	.42	.31	.44	.43	.39	.42	.31	.44
30	.52	.35	.37	.40	.41	.49	.56	.74	.70	.38	.53	.54	.59	.47	.62	.72	.71	.65	.72	.77	.77	.83	.64	.76	.61	.66
AV	.59	.58	.58	.59	.34	.36	.36	.36	.36	.36	.36	.35	.36	.37	.36	.35	.34	.34	.40	.40	.41	.42	.42	.43	.38	.41
SU	.14	.13	.16	.15	.15	.16	.14	.15	.13	.14	.12	.09	.09	.09	.10	.12	.15	.15	.16	.18	.18	.17	.17	.18	.11	.11

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 4

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE
1	.66	.56	.36	.46	.36	.34	.46	.52	.52	.44	.46	.50	.40	.32	.26	.20	.16	.22	.24	.24	.30	.26	.24	.24	.34
2	.24	.28	.24	.16	.18	.24	.24	.24	.24	.28	.24	.24	.24	.24	.24	.26	.34	.24	.24	.24	.22	.24	.24	.24	.24
3	.28	.24	.24	.28	.26	.28	.46	.38	.38	.32	.28	.28	.48	.64	.70	.72	.66	.50	.48	.42	.48	.46	.42	.42	.34
4	.54	.54	.54	.44	.42	.60	.56	.64	.76	.60	.60	.82	.78	.74	.68	.64	.76	.64	.66	.64	.68	.68	.60	.60	.66
5	.54	.68	.64	.68	.74	.68	.70	.64	.52	.48	.50	.42	.36	.54	.56	.40	.30	.28	.30	.28	.24	.30	.22	.12	.48
6	.20	.22	.14	.10	.08	.12	.14	.12	.12	.10	.14	.18	.24	.24	.18	.18	.20	.48	.46	.46	.18	.16	.12	.10	.20
7	.10	.12	.12	.12	.14	.14	.14	.10	.10	.14	.14	.14	.16	.18	.14	.14	.14	.12	.18	.18	.24	.14	.16	.24	.14
8	.20	.18	.18	.22	.22	.14	.24	.18	.28	.24	.26	.32	.32	.30	.24	.14	.14	.10	.14	.14	.10	.16	.24	.16	.22
9	.30	.30	.30	.16	.10	.10	.10	.12	.14	.16	.24	.24	.24	.24	.24	.16	.14	.12	.24	.48	.60	.34	.18	.24	.60
10	.22	.12	.16	.12	.14	.12	.12	.12	.12	.10	.18	.24	.24	.24	.24	.14	.14	.10	.10	.10	.04	.12	.14	.14	.26
11	.28	.20	.16	.16	.12	.18	.12	.12	.14	.16	.18	.22	.24	.26	.24	.20	.14	.12	.14	.22	.14	.16	.20	.26	.18
12	.14	.14	.16	.14	.16	.16	.14	.10	.16	.18	.24	.26	.28	.30	.24	.16	.12	.16	.14	.14	.14	.14	.14	.14	.30
13	.18	.18	.20	.18	.18	.16	.18	.14	.16	.16	.14	.24	.30	.24	.26	.20	.14	.10	.16	.14	.14	.14	.14	.14	.30
14	.12	.18	.20	.26	.14	.14	.16	.20	.14	.18	.24	.26	.24	.22	.24	.20	.14	.16	.14	.16	.18	.18	.14	.14	.28
15	.18	.22	.22	.22	.24	.18	.18	.24	.24	.26	.22	.24	.26	.28	.28	.18	.24	.20	.18	.16	.20	.20	.24	.20	.24
16	.20	.18	.18	.14	.16	.16	.16	.18	.18	.20	.24	.24	.24	.24	.24	.20	.14	.14	.14	.14	.14	.16	.14	.14	.24
17	.18	.22	.26	.18	.10	.14	.14	.12	.10	.16	.20	.26	.30	.24	.24	.16	.14	.14	.14	.14	.16	.16	.20	.20	.18
18	.16	.14	.14	.14	.14	.14	.12	.12	.14	.20	.20	.22	.26	.24	.22	.20	.14	.12	.14	.12	.14	.20	.16	.12	.26
19	.10	.14	.14	.14	.12	.12	.14	.18	.18	.18	.18	.24	.26	.32	.32	.24	.14	.10	.12	.14	.12	.12	.12	.10	.32
20	.14	.16	.16	.14	.14	.22	.18	.12	.12	.14	.18	.20	.22	.28	.32	.24	.14	.10	.12	.10	.16	.12	.12	.10	.32
21	.10	.16	.18	.14	.14	.18	.24	.18	.16	.22	.18	.24	.26	.24	.24	.14	.10	.10	.10	.10	.36	.66	.50	.24	.66
22	.18	.14	.28	.42	.62	.62	.26	.32	.26	.26	.26	.26	.24	.24	.14	.14	.14	.14	.14	.14	.64	.22	.34	.24	.66
23	.26	.28	.18	.24	.26	.20	.24	.26	.32	.30	.40	.40	.32	.32	.30	.26	.18	.14	.18	.24	.18	.20	.24	.24	.72
24	.18	.16	.14	.20	.14	.16	.14	.12	.12	.18	.20	.24	.24	.24	.22	.14	.12	.10	.10	.10	.16	.16	.16	.14	.44
25	.14	.16	.16	.20	.20	.16	.20	.16	.20	.22	.22	.22	.24	.24	.24	.18	.12	.10	.10	.10	.34	.24	.24	.24	.44
26	.24	.34	.46	.46	.24	.16	.14	.14	.14	.14	.20	.24	.28	.26	.24	.22	.24	.26	.24	.18	.20	.14	.16	.14	.44
27	.18	.22	.18	.14	.16	.14	.10	.12	.14	.14	.20	.26	.24	.24	.26	.24	.22	.26	.24	.18	.20	.14	.20	.14	.46
28	.14	.20	.18	.14	.20	.18	.14	.16	.14	.16	.16	.24	.24	.24	.26	.24	.24	.24	.18	.20	.20	.14	.20	.14	.28
29	.14	.12	.20	.16	.18	.18	.20	.16	.14	.18	.20	.26	.28	.30	.26	.22	.10	.08	.14	.16	.22	.24	.20	.16	.28
30	.16	.14	.18	.20	.14	.12	.12	.12	.12	.18	.24	.26	.28	.32	.28	.26	.20	.18	.18	.20	.14	.22	.18	.20	.30
31	.20	.22	.14	.20	.14	.26	.18	.16	.16	.20	.26	.28	.30	.32	.32	.24	.14	.20	.20	.14	.20	.22	.22	.22	.32
AV	.22	.24	.24	.24	.22	.22	.22	.22	.22	.26	.26	.28	.30	.30	.30	.24	.22	.22	.22	.24	.24	.22	.22	.22	.24
30	.14	.14	.12	.14	.14	.14	.14	.14	.14	.14	.12	.12	.12	.12	.12	.14	.14	.16	.14	.16	.14	.12	.12	.12	.14

SITE 6

WIND SPEED (CC:01)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.0	1.5	1.5	4.0	6.5	5.5	5.0	5.5	5.0	2.0	4.0	3.0	2.5	3.5	3.0	4.0	4.5	4.0	1.5	3.0	1.5	1.0	2.0	3.0	1.5	6.5
2	2.0	1.5	2.0	1.5	2.5	3.5	2.0	2.0	3.0	3.0	2.5	2.5	2.5	4.0	2.5	3.0	3.0	4.0	1.5	6.0	5.0	4.5	2.0	2.0	3.0	6.0
3	1.5	2.0	5.0	3.0	2.5	6.0	5.0	4.5	3.0	1.5	2.0	2.5	2.5	3.0	5.0	5.0	5.0	5.0	3.0	2.0	3.0	2.0	2.5	2.0	3.5	6.0
4	2.5	2.5	3.0	2.0	2.5	2.0	2.5	3.0	3.0	4.0	2.5	2.5	3.0	3.5	2.5	3.5	3.5	3.5	3.5	3.0	2.5	2.5	2.0	3.5	3.0	4.0
5	2.5	3.0	2.5	2.0	3.5	4.5	4.5	3.5	2.5	2.0	2.5	2.5	3.0	3.0	3.5	2.5	2.5	6.0	4.5	2.0	2.0	2.0	5.0	4.0	3.0	4.0
6	2.5	3.0	3.0	4.5	4.5	3.5	4.5	5.5	4.5	5.0	6.5	6.5	7.5	13.0	14.5	14.0	12.0	6.5	4.0	4.5	4.5	2.5	2.0	6.5	14.5	
7	1.5	1.5	2.5	2.5	2.5	1.5	3.0	2.5	1.5	2.5	3.0	3.0	4.0	5.0	7.5	4.5	3.0	4.0	5.0	6.5	4.5	4.0	4.0	2.5	1.5	4.5
8	3.0	2.0	2.0	2.5	2.5	3.0	2.0	3.0	1.5	1.5	2.0	3.0	4.0	4.0	3.0	2.0	2.5	2.5	2.5	5.0	5.5	5.0	4.5	2.5	1.5	4.5
9	7.0	5.5	4.0	4.0	4.0	4.0	3.0	7.5	13.5	17.5	19.0	20.0	19.5	18.0	17.0	13.5	11.5	13.5	10.0	13.0	16.5	17.0	13.5	11.5	1.5	10.5
10	11.0	17.0	23.0	21.0	19.0	15.5	13.0	12.5	22.5	21.0	22.0	24.0	23.0	21.5	17.5	23.5	19.5	16.0	21.0	20.0	17.0	12.0	4.0	6.0	17.5	24.0
11	9.5	10.5	6.0	5.5	5.5	6.0	5.5	4.5	4.0	4.5	1.5	2.0	2.0	3.0	2.5	2.5	2.0	2.5	2.5	4.5	3.5	3.0	4.5	2.5	4.0	10.5
12	3.5	3.0	2.5	3.0	2.5	3.0	6.0	5.0	2.5	3.5	2.5	5.0	4.0	2.0	3.0	3.0	2.0	5.0	4.5	4.5	4.5	2.0	3.0	4.0	3.5	6.0
13	5.0	2.5	3.5	3.0	3.5	2.5	1.5	3.0	2.0	2.5	3.5	5.5	5.0	5.0	2.5	4.0	3.0	2.0	3.0	4.0	6.5	3.5	2.5	5.5	3.5	6.5
14	15.0	14.0	13.5	13.0	14.5	13.0	11.5	8.5	16.0	6.5	13.0	7.5	7.0	6.0	5.0	2.5	3.0	3.0	3.5	3.5	3.0	3.0	3.0	2.0	4.0	16.0
15	3.0	2.5	3.5	4.5	4.0	3.5	3.0	2.0	4.5	3.5	3.0	4.0	4.5	4.5	3.5	2.5	4.5	5.0	4.0	3.0	6.5	1.5	1.5	1.0	3.5	6.5
16	1.5	1.5	1.5	2.0	2.5	3.0	5.0	3.5	3.0	1.0	2.5	3.0	4.0	6.5	7.0	5.0	4.5	2.0	2.0	2.0	3.5	3.5	3.5	2.5	1.5	7.0
17	2.0	3.0	1.5	2.0	2.5	3.0	2.5	2.5	2.0	2.0	2.0	3.0	7.5	7.5	5.5	4.0	3.5	4.5	3.5	1.5	2.0	4.0	4.0	3.0	1.5	7.5
18	1.5	1.5	4.0	2.5	2.0	2.5	1.5	2.5	2.0	2.5	3.0	3.0	2.5	6.5	7.0	5.5	7.5	6.0	3.0	14.0	16.0	21.5	22.0	23.0	7.0	23.0
19	22.5	14.0	16.5	8.5	6.5	4.5	14.0	15.5	12.0	7.0	6.5	10.0	9.5	10.0	4.0	6.0	5.0	5.0	6.5	8.5	13.5	9.0	6.0	4.5	10.5	22.5
20	3.5	5.0	2.5	4.0	10.0	4.0	6.0	4.0	4.0	2.5	4.5	5.5	5.5	4.5	5.5	4.5	5.5	6.0	4.0	2.0	2.0	1.0	2.5	2.0	4.5	10.0
21	2.5	3.5	3.0	3.5	4.0	2.5	3.0	2.0	4.0	4.0	3.5	3.5	3.0	4.5	3.0	4.5	5.5	8.0	7.5	6.5	6.5	7.0	7.0	5.0	4.5	4.0
22	4.0	3.5	4.0	5.0	5.5	4.0	4.0	4.5	4.0	4.5	4.0	3.5	3.5	4.5	3.5	4.5	2.5	4.0	3.0	2.5	5.0	4.5	4.5	6.5	4.0	6.5
23	4.0	3.5	6.0	3.5	3.0	5.0	2.5	3.5	3.0	2.0	2.5	4.5	5.5	6.5	5.5	4.0	4.0	5.0	4.0	3.5	4.0	3.5	4.5	3.5	4.0	6.5
24	3.0	2.5	2.5	3.0	4.0	3.5	2.5	3.5	3.5	3.5	3.0	3.0	3.0	3.5	4.0	3.0	4.5	5.5	4.0	4.5	4.5	3.5	3.0	3.0	1.5	5.5
25	2.5	2.5	2.0	5.0	3.0	5.0	4.5	3.5	2.5	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.0	3.5	5.5	9.0	11.0	11.0	10.5	11.0	5.0	11.0
26	12.5	11.5	6.5	3.5	3.5	4.0	3.5	3.5	3.5	3.0	3.0	4.5	5.5	6.0	9.0	12.5	13.5	14.5	10.5	9.5	9.5	7.5	9.0	7.5	7.5	14.5
27	3.0	1.5	4.0	4.0	3.0	1.5	1.0	3.0	3.5	3.0	3.5	5.0	4.0	3.5	4.0	2.5	5.5	4.5	4.5	2.0	7.5	4.5	3.5	3.0	1.5	4.5
28	3.0	4.5	7.0	5.0	7.5	5.0	5.0	2.5	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	2.5	2.0	2.0	1.5	3.0	1.5	3.0	3.0	1.5	7.5
29	3.0	3.0	1.5	1.0	2.5	1.0	1.5	2.0	1.0	2.0	2.5	2.5	2.0	6.0	4.5	7.5	10.5	4.5	4.5	4.0	5.0	5.0	3.5	5.0	3.5	10.5
30	6.5	6.0	4.5	4.0	6.5	7.0	5.0	4.0	5.5	4.0	1.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	4.5	6.0	6.0	6.5	4.0	5.5	5.0	4.5
31	6.0	4.5	4.0	3.5	5.5	4.0	4.0	3.0	3.5	1.5	2.0	3.0	2.0	2.5	2.5	2.5	6.0	4.5	3.5	4.0	5.0	3.0	2.5	3.0	3.5	6.0
AV	5.0	4.5	5.0	4.5	5.0	4.5	4.5	4.5	5.0	4.0	4.5	5.0	5.0	6.0	5.5	5.5	5.5	5.5	5.0	5.5	6.0	5.5	5.0	5.0	5.0	1.1
SD	4.5	4.5	4.5	4.0	3.5	3.0	3.0	3.0	4.5	4.0	5.0	5.0	4.5	4.5	4.0	4.5	4.0	3.5	4.0	4.0	4.5	4.5	4.0	4.5	4.0	1.1

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 6

FEB, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.5	3.0	3.5	2.5	2.0	3.5	3.5	4.0	2.5	2.0	3.5	3.0	4.0	6.0	6.5	5.0	4.0	3.0	3.5	4.0	5.0	5.0	4.0	3.5	4.0	6.5
2	3.0	3.0	2.5	3.0	4.5	3.0	3.0	2.5	2.0	3.0	4.0	3.0	3.0	3.0	3.0	2.5	5.0	3.0	3.5	3.5	3.0	1.5	2.5	2.5	3.0	5.0
3	3.0	3.0	2.5	2.5	3.0	2.5	3.0	3.0	2.0	4.0	4.0	3.0	3.0	3.5	3.0	5.0	5.5	5.5	4.0	3.5	4.0	2.0	4.5	4.0	3.5	5.5
4	2.5	2.5	3.0	3.0	3.5	1.5	2.5	2.5	2.5	2.0	2.0	3.0	3.5	6.5	6.5	3.0	3.5	3.0	2.0	3.5	2.5	3.0	4.5	3.0	3.5	6.5
5	3.0	4.0	4.5	4.0	3.5	3.0	3.0	2.5	3.0	2.5	3.0	3.0	3.5	4.5	3.5	6.0	6.0	6.5	4.0	2.5	2.5	3.0	4.5	3.5	3.5	6.5
6	3.5	3.5	2.0	2.0	2.0	3.5	4.0	3.0	3.0	1.5	1.5	4.5	3.5	2.5	3.5	5.0	6.0	5.5	3.0	3.0	3.0	4.0	3.0	3.5	3.5	6.5
7	3.0	1.0	2.0	2.0	3.5	4.0	3.0	2.0	1.5	3.0	3.0	5.5	3.0	3.0	3.5	4.5	11.0	10.0	6.0	6.0	6.0	3.5	4.5	3.0	4.0	11.0
8	6.5	9.0	8.0	8.0	5.0	4.0	3.5	5.5	5.5	1.5	2.0	3.5	4.0	7.0	9.0	6.0	2.5	2.5	4.0	8.0	8.0	9.5	9.0	9.5	6.0	9.5
9	7.0	8.5	4.0	6.5	5.5	6.0	3.5	3.5	3.0	1.5	2.5	4.0	4.5	4.5	4.5	5.5	7.0	6.0	4.0	1.0	3.0	4.5	5.0	6.0	4.5	8.5
10	5.0	6.0	5.5	4.0	4.5	4.5	2.5	3.0	2.5	2.0	1.5	2.5	2.0	4.5	5.0	6.5	7.0	5.0	3.0	2.5	3.0	4.0	5.0	5.5	4.0	7.0
11	3.5	4.5	4.0	3.0	3.5	3.0	3.0	3.0	2.5	2.0	3.0	3.0	4.5	4.5	4.5	7.0	6.0	5.0	4.0	3.0	2.5	3.5	4.5	5.0	4.0	7.0
12	6.5	4.0	4.5	3.0	3.5	3.5	2.5	2.0	2.5	2.5	2.5	4.0	3.5	4.0	5.0	6.5	6.5	5.5	4.0	2.0	3.0	3.0	2.0	1.5	3.5	6.5
13	2.5	4.5	3.5	3.0	2.5	1.5	2.5	3.5	2.0	1.5	1.5	2.5	2.5	3.5	4.5	4.0	5.5	5.5	7.0	6.5	3.5	1.5	2.5	1.0	3.5	7.0
14	2.0	4.0	2.5	2.5	2.5	3.0	2.0	1.5	2.5	3.0	3.5	3.5	3.5	4.5	4.0	4.5	4.5	6.5	4.0	2.5	2.0	3.5	2.0	2.5	3.0	6.5
15	5.0	3.5	3.5	2.0	2.5	1.0	2.0	2.0	1.0	2.5	3.0	3.0	3.0	4.0	5.0	5.0	9.0	6.5	4.0	2.5	2.0	3.5	2.0	2.5	3.0	6.5
16	4.0	2.5	1.5	2.0	1.5	3.0	4.0	2.5	4.0	3.0	2.0	3.0	2.0	2.5	3.5	4.0	4.0	5.0	3.0	2.5	3.0	2.5	1.5	2.5	3.5	9.0
17	2.0	2.0	2.5	1.5	2.5	1.5	1.5	3.0	1.5	2.0	4.0	4.0	4.5	5.0	2.5	2.0	3.0	5.5	3.0	2.0	2.0	2.0	1.5	1.5	2.5	5.0
18	3.0	3.0	2.5	5.0	2.5	3.5	4.5	3.5	2.5	5.0	12.5	10.0	3.5	9.5	12.0	5.0	11.0	5.5	7.5	5.5	5.5	4.5	6.5	5.0	5.5	12.5
19	3.0	4.5	10.0	10.0	9.5	7.0	4.0	2.5	1.5	2.5	10.0	11.0	10.5	13.5	13.0	7.0	7.0	3.5	4.0	3.5	4.0	3.0	3.0	5.0	6.0	13.5
20	4.0	6.0	9.0	11.5	10.5	4.5	9.5	2.0	2.5	8.5	7.5	9.0	7.0	9.0	10.5	5.5	7.5	5.0	2.5	5.0	5.5	5.0	4.0	3.5	6.5	11.5
21	2.5	3.0	5.5	4.0	4.0	2.0	3.0	2.5	2.0	3.5	11.0	12.0	3.5	12.5	12.5	9.5	8.5	6.5	8.0	4.5	5.0	3.0	3.5	2.0	5.5	12.5
22	3.0	2.0	3.5	4.5	5.5	4.5	4.5	4.0	3.0	6.5	6.5	7.5	13.0	6.0	9.0	6.0	7.5	5.5	2.0	4.5	6.5	5.5	8.0	3.0	5.5	13.0
23	4.0	2.0	2.5	7.5	6.5	4.0	4.5	6.5	2.0	3.0	2.5	11.0	11.5	8.0	5.0	5.0	5.5	5.5	10.0	4.5	10.0	5.5	7.0	7.5	6.0	11.5
24	6.5	3.5	4.0	5.0	5.5	3.5	4.0	5.0	3.5	3.5	3.5	4.0	5.0	5.0	6.5	5.0	3.0	1.5	2.0	3.0	6.0	4.5	5.5	6.0	4.5	8.5
25	6.5	5.5	7.0	5.5	5.0	3.5	4.0	5.5	3.5	5.0	4.5	4.5	4.5	4.5	5.0	4.5	3.0	7.0	4.5	4.0	3.0	5.0	4.0	5.5	5.0	7.0
26	5.5	5.5	6.5	5.5	4.0	2.5	3.5	3.5	3.0	2.5	4.5	5.0	4.0	4.0	5.0	4.5	4.0	5.0	3.0	1.5	4.0	5.0	4.0	5.5	4.5	6.5
27	4.5	7.5	7.0	4.5	3.0	3.0	5.5	5.5	2.0	3.0	3.0	3.5	4.5	5.0	6.5	6.5	6.5	6.0	3.0	4.0	4.5	5.5	5.5	6.5	5.0	7.5
28	6.0	6.0	4.0	5.5	4.5	3.5	4.5	4.0	5.5	3.5	4.0	5.5	7.0	6.5	6.5	3.5	5.5	6.0	2.5	9.0	12.0	6.5	7.0	4.0	5.5	12.0
29	5.5	7.0	3.5	6.0	7.5	4.5	7.5	4.0	3.5	6.5	6.0	6.5	5.0	5.0	4.5	5.0	12.0	12.0	4.0	7.5	3.5	6.5	7.5	7.5	4.5	12.0
AV	4.0	4.5	4.5	4.5	4.5	3.5	4.0	3.5	3.0	4.0	4.0	5.0	5.0	5.5	6.0	5.5	6.0	5.5	4.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5
30	1.5	2.0	2.0	2.5	2.0	1.0	1.5	1.5	1.0	1.5	2.5	2.5	2.5	3.0	2.0	2.0	2.5	2.0	2.0	2.0	2.5	2.0	2.0	2.0	2.0	1.0

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAR. 1960
 AEROENVIRONMENT INC.

WIND SPEED (CC801)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9.0	10.5	7.5	3.0	6.0	5.0	4.0	4.5	6.5	4.5	7.5	7.0	7.0	6.5	5.0	6.0	6.5	3.0	3.5	2.0	5.0	6.0	8.0	7.5	6.0	10.5
2	4.5	6.5	5.0	4.0	2.5	3.0	3.5	3.0	3.5	2.0	3.0	2.5	3.0	5.0	6.5	7.0	4.5	3.5	3.5	3.0	3.5	4.5	4.5	4.0	4.5	8.5
3	3.5	2.0	2.5	4.0	2.5	3.0	4.0	3.5	3.0	4.5	2.5	12.0	15.0	19.5	18.0	17.5	15.0	5.0	4.0	4.0	3.5	2.0	3.0	4.5	7.0	6.5
4	8.5	11.0	5.5	6.5	5.0	5.5	5.5	4.0	2.0	2.5	3.0	5.0	10.5	14.0	10.0	12.0	17.5	19.0	16.5	9.0	6.5	6.5	4.0	6.5	8.0	19.0
5	8.5	6.0	7.0	5.5	3.0	3.5	3.0	3.5	3.5	5.5	13.5	16.0	15.0	17.0	19.0	17.0	16.5	15.5	18.0	16.0	12.0	15.5	11.5	6.5	11.0	19.0
6	11.0	7.5	10.0	16.0	8.5	9.5	8.5	9.0	4.0	2.5	3.0	6.0	5.5	2.5	5.0	2.5	4.0	3.5	6.0	4.5	4.0	2.5	1.5	4.0	6.0	16.0
7	2.5	2.0	1.5	3.0	4.0	6.0	3.0	3.0	3.0	2.0	7.0	9.5	10.5	8.0	6.5	5.0	6.0	6.0	4.0	7.0	7.5	3.0	4.0	5.0	5.0	10.5
8	4.0	2.5	4.0	3.5	5.5	4.0	7.5	8.0	4.5	4.0	5.0	8.0	11.5	12.5	11.0	11.0	9.0	8.5	7.0	6.0	7.0	4.5	5.5	6.0	6.5	12.5
9	4.0	7.5	6.5	5.5	8.0	8.0	6.5	5.5	5.0	7.0	7.0	8.0	12.0	14.0	14.0	12.5	10.0	7.0	6.0	7.0	7.0	7.0	6.0	8.5	8.0	18.5
10	9.0	6.0	6.0	7.5	5.5	5.0	4.5	4.0	3.0	3.5	5.0	6.5	8.0	7.0	5.5	6.0	6.5	7.0	4.5	3.5	3.5	5.0	7.5	4.5	5.5	9.0
11	6.0	7.0	5.5	6.5	6.5	3.0	4.0	3.0	2.5	1.5	2.5	4.0	3.0	4.0	6.0	12.5	14.0	8.5	9.5	10.5	10.5	10.5	12.0	5.0	6.5	14.0
12	5.5	15.0	15.0	19.0	22.0	18.0	20.5	19.5	13.5	20.5	20.5	17.5	17.5	15.5	15.0	13.0	14.0	7.0	4.5	6.0	3.5	7.5	8.0	14.0	22.0	14.0
13	7.5	5.5	5.0	8.0	6.5	5.0	4.5	4.5	3.5	4.5	3.5	4.0	5.5	6.5	8.0	4.0	7.5	5.5	4.5	6.5	4.5	4.5	2.5	4.0	5.5	8.0
14	4.0	6.0	5.5	4.0	5.0	5.5	5.5	4.5	4.0	4.0	4.5	6.0	9.5	10.0	7.0	15.5	16.5	14.0	8.0	5.0	11.0	6.5	4.0	2.5	7.0	16.5
15	3.5	4.5	5.0	5.0	3.5	3.5	4.0	3.5	3.0	3.5	4.0	10.5	12.5	7.5	14.5	17.0	14.0	13.0	11.5	5.0	4.5	4.5	17.5	18.0	8.0	17.5
16	12.5	18.5	16.5	12.0	12.5	7.5	5.0	9.0	5.0	12.0	15.0	13.5	17.0	18.5	17.0	16.0	18.0	17.0	14.0	7.5	5.0	5.5	6.0	7.5	12.0	18.5
17	6.0	5.5	5.5	6.5	4.5	6.0	5.5	4.5	4.0	3.5	4.0	5.5	7.5	11.0	9.5	8.5	6.5	11.0	8.5	11.5	14.0	10.5	7.5	4.5	7.0	14.0
18	6.5	5.0	6.0	6.5	4.5	3.5	3.0	2.5	3.0	3.5	5.0	7.0	8.5	6.5	7.5	9.5	7.5	6.0	4.0	4.5	6.5	7.0	9.5	6.0	9.5	6.0
19	7.5	7.0	8.0	7.5	5.0	4.5	3.5	3.0	3.5	4.0	9.0	11.0	13.0	13.0	14.5	14.0	12.0	16.0	16.0	10.5	5.0	4.0	2.0	3.5	8.5	16.0
20	4.5	5.5	4.5	5.0	7.5	5.0	6.5	4.5	3.5	3.0	4.5	5.5	5.5	7.5	7.5	8.5	13.5	9.5	10.5	10.5	11.0	9.5	5.0	3.0	6.5	13.5
21	5.0	5.5	4.0	4.5	4.0	3.5	4.0	3.5	8.5	17.0	22.0	21.5	20.0	20.0	20.0	19.0	21.0	15.5	10.0	6.0	2.5	9.5	9.0	4.5	11.0	22.0
22	7.5	5.0	4.0	4.0	5.0	2.5	2.5	2.5	4.0	6.5	5.5	10.0	13.5	15.0	13.5	13.5	11.0	9.0	6.0	6.0	4.5	4.5	2.5	3.0	7.5	15.0
23	7.0	5.0	6.0	5.0	2.5	2.5	2.5	2.5	4.0	4.0	6.0	6.5	5.5	7.0	9.0	7.0	6.0	4.5	3.5	4.0	7.0	5.0	3.0	3.0	5.0	9.0
24	5.0	6.0	7.5	8.0	5.0	3.5	4.5	3.0	3.0	4.0	4.0	15.0	15.5	14.5	15.0	17.0	13.0	14.5	9.5	11.0	8.0	3.5	3.0	2.5	8.0	17.0
25	3.5	5.0	4.5	5.5	2.5	2.5	2.5	4.5	5.0	4.0	3.0	6.5	3.5	3.5	3.5	3.5	3.5	5.5	7.0	4.5	4.5	5.5	4.5	6.0	4.5	7.0
26	8.0	3.0	3.5	2.5	3.5	3.0	3.5	2.0	2.5	2.5	3.0	4.5	5.0	6.5	6.0	7.5	9.0	7.5	6.5	6.5	5.0	6.5	5.0	9.0	5.0	9.0
27	10.5	7.0	5.0	4.5	6.5	6.0	6.5	4.0	3.0	3.5	3.5	5.0	7.0	6.5	8.0	10.5	16.5	15.0	9.5	6.0	6.0	4.0	3.0	1.0	6.5	16.5
28	1.5	2.5	4.5	5.5	3.5	2.0	1.0	4.0	4.5	10.5	19.5	22.0	21.0	18.5	19.5	16.5	13.0	7.0	8.5	7.5	6.5	6.5	2.0	2.0	8.5	22.0
29	2.5	1.5	4.5	2.5	3.5	4.5	5.0	5.0	3.5	3.5	4.5	7.5	8.5	5.5	5.5	4.5	7.0	4.5	4.5	5.0	9.0	7.0	6.5	8.0	5.0	9.0
30	6.5	7.5	3.5	4.0	4.5	4.0	5.0	5.5	5.5	6.5	8.0	14.5	23.0	19.0	18.5	20.0	11.0	5.0	7.5	6.0	4.5	5.0	6.0	6.0	8.5	23.0
31	6.0	7.5	10.5	7.5	7.5	8.0	8.0	4.5	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	3.5	4.5	1.5	4.0	7.5	7.5	6.0	10.5
AV	6.0	6.5	6.0	6.0	6.0	5.0	5.0	4.0	5.0	6.5	9.0	10.5	10.5	11.0	11.0	11.0	10.0	8.0	6.5	6.5	6.5	6.0	6.0	6.0	7.0	7.0
SD	2.5	3.5	3.0	3.5	3.5	3.0	3.5	3.0	2.5	3.5	5.0	5.0	5.5	5.5	5.0	5.0	4.5	4.0	3.0	3.0	3.0	2.5	3.5	3.0	2.0	2.0

ABOUT (29 JAN 61)

WIND SPEED ((C101))
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 APR, 1980
 AEROSCIENCE INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE YEAR
1	7.0	5.5	5.0	3.5	3.5	7.5	6.0	5.0	7.0	5.0	5.5	4.5	4.5	6.0	5.5	5.0	5.0	5.0	6.0	9.0	14.5	16.5	14.0	10.5	7.0 16.5
2	11.5	4.5	6.0	7.5	7.0	6.0	7.5	5.0	4.0	4.5	7.0	9.0	8.5	6.5	9.5	10.5	8.5	7.0	6.0	5.5	4.0	4.5	9.5	8.5	7.0 11.5
3	10.0	10.0	9.5	8.0	6.0	6.0	6.0	3.5	3.5	3.5	4.5	4.5	4.5	6.5	7.0	6.0	4.5	5.0	6.0	4.5	3.5	4.5	3.5	3.5	6.0 10.0
4	3.5	2.0	2.5	3.5	4.5	4.0	4.0	2.5	4.0	4.5	4.5	5.0	5.0	5.5	5.0	8.0	8.5	7.5	7.0	9.0	10.0	10.0	6.0	5.5	5.5 10.0
5	6.0	8.5	6.0	5.5	3.5	5.0	5.0	5.5	3.0	3.5	8.5	11.0	17.0	17.0	17.0	16.0	14.0	9.5	14.5	9.0	7.0	6.0	7.0	6.5	8.0 17.0
6	5.0	11.0	14.5	13.5	6.0	9.0	5.0	4.0	6.5	7.0	8.0	19.5	18.0	21.0	24.0	26.5	24.0	23.5	18.5	6.5	3.5	10.0	11.0	4.5	12.5 26.5
7	3.5	15.0	10.0	5.5	9.5	17.0	17.0	20.5	19.5	19.5	23.5	27.0	22.0	17.0	16.5	20.0	21.5	19.5	20.0	17.0	11.5	4.0	4.5	7.0	15.5 27.0
8	7.5	7.0	5.0	5.0	4.0	4.5	3.0	2.0	3.5	4.0	4.5	5.0	6.5	9.5	8.5	7.5	5.0	3.5	4.5	6.0	9.0	3.5	2.5	4.5	5.0 9.5
9	7.0	6.5	6.0	5.5	5.0	5.5	5.0	3.0	2.5	2.5	4.5	6.0	7.5	9.5	15.5	15.5	16.5	16.0	11.0	6.5	7.0	2.5	3.5	5.0	7.5 16.5
10	4.0	5.0	3.0	4.0	3.5	3.5	14.0	19.5	16.5	9.5	14.0	20.5	23.0	25.0	23.5	25.0	25.5	23.5	21.5	18.5	10.0	6.5	10.0	7.0	14.0 25.5
11	5.0	3.5	3.0	2.5	2.0	3.5	6.0	2.5	3.0	7.0	11.5	18.5	17.0	21.0	21.0	20.0	21.5	20.0	16.5	12.5	11.5	14.0	14.5	12.0	11.0 21.5
12	10.5	5.0	3.5	5.0	5.0	4.5	5.5	3.0	4.5	7.0	8.0	9.0	9.5	11.0	15.5	15.5	15.5	17.5	16.5	15.5	11.5	10.0	8.5	7.0	9.0 17.5
13	4.5	4.0	5.5	4.5	5.0	6.0	3.5	3.5	4.5	4.0	5.0	4.5	4.5	6.5	5.0	5.0	4.5	3.5	2.5	4.0	4.5	9.5	10.0	6.5	5.0 10.0
14	6.0	6.5	4.0	5.5	4.5	5.5	4.0	3.0	3.0	3.5	4.5	4.5	5.5	5.5	7.0	6.5	4.5	4.0	2.0	5.5	10.0	6.0	4.5	6.5	5.5 10.0
15	7.5	5.5	8.0	5.5	6.5	5.5	4.0	4.0	3.0	5.0	5.0	6.0	11.5	11.0	15.0	14.5	17.0	22.0	20.5	20.0	19.0	13.0	5.0	5.5	10.0 22.0
16	5.0	9.5	12.0	8.5	6.0	5.0	7.0	5.5	3.0	4.0	5.0	5.5	7.0	8.0	9.0	8.0	7.5	6.5	6.0	4.0	7.5	9.5	9.5	9.0	7.0 12.0
17	8.5	8.0	8.5	6.5	7.0	4.5	5.0	2.5	2.5	3.5	5.0	4.5	5.5	5.0	6.0	6.0	4.5	5.0	6.5	5.5	8.5	7.5	11.0	8.5	6.0 11.0
18	6.5	6.5	7.5	9.0	8.0	4.5	4.5	2.5	3.0	3.0	4.5	5.5	6.5	6.0	8.5	9.5	10.5	10.5	9.5	8.0	7.0	5.5	9.0	4.0	7.0 10.5
19	5.5	6.5	7.0	5.0	5.5	6.0	5.0	3.0	2.5	3.0	4.5	4.5	6.5	8.5	8.5	9.0	5.5	14.0	9.5	8.5	11.5	5.0	4.0	10.5	7.0 14.0
20	6.0	5.5	8.0	7.5	6.0	6.5	4.0	2.5	3.5	3.5	5.5	7.0	10.0	11.5	15.0	15.0	14.5	13.0	9.5	8.5	11.5	12.5	11.0	12.0	8.5 15.0
21	12.5	10.5	12.5	13.0	13.5	12.0	13.0	14.5	16.5	18.0	17.0	11.5	9.5	8.5	10.5	6.5	7.5	8.5	6.0	5.5	4.0	5.0	3.5	2.0	10.0 14.0
22	3.5	5.0	4.5	2.0	3.5	3.5	6.0	4.5	3.0	4.0	6.0	6.5	8.5	10.5	16.5	14.5	17.0	14.0	14.5	14.0	3.5	9.5	11.0	5.5	4.0 17.0
23	4.5	5.0	5.0	6.0	5.0	4.5	3.5	3.5	8.5	5.5	5.0	8.0	17.0	9.5	10.5	15.0	13.5	4.5	4.5	3.5	5.5	6.0	11.0	4.5	7.5 17.0
24	6.0	5.0	4.5	4.0	3.5	4.5	5.0	3.0	4.0	5.5	5.0	8.0	8.5	8.0	3.5	7.5	11.0	12.5	10.5	9.5	7.5	9.5	9.0	5.0	6.5 12.5
25	8.0	6.0	9.5	5.5	4.5	7.5	4.0	5.5	7.5	7.5	7.5	7.5	8.5	10.5	11.0	12.5	14.5	13.0	11.5	10.0	12.0	9.5	9.0	11.5	9.0 14.5
26	7.0	4.5	4.5	6.5	8.0	6.0	3.0	5.0	4.0	7.0	7.0	6.0	8.0	7.0	6.0	7.0	6.5	7.0	6.5	4.5	5.0	7.0	6.0	4.5	6.0 14.5
27	5.0	10.0	10.0	8.0	6.5	7.0	4.0	3.0	4.0	3.5	5.0	4.5	6.0	6.5	7.0	7.5	6.0	5.5	5.0	4.0	4.0	4.0	2.5	5.5	6.0 10.0
28	4.0	6.0	6.5	5.0	5.5	4.0	3.0	3.0	4.0	4.5	4.5	6.0	9.5	10.5	17.0	14.0	11.0	5.5	3.5	4.5	6.5	10.5	5.0	5.5	6.5 17.0
29	7.0	7.5	7.0	6.0	4.5	6.0	3.5	3.0	3.5	5.0	5.0	11.0	14.0	13.5	11.0	15.5	17.0	9.5	10.0	10.0	4.5	6.0	4.5	5.0	4.0 17.0
30	7.0	7.5	4.0	4.0	4.0	1.5	2.0	4.0	2.5	2.5	4.0	8.5	9.0	7.0	6.0	6.5	4.5	4.0	7.5	11.0	4.5	7.0	5.5	5.0	5.5 11.0
AV	6.5	7.0	7.0	6.0	5.5	6.0	5.5	5.0	5.5	7.0	8.5	9.5	10.5	11.5	12.0	11.5	11.0	11.0	10.0	9.0	8.5	8.0	6.0	7.0	8.0 ()
SD	2.5	2.5	3.0	2.5	2.5	3.0	3.5	4.5	4.0	4.5	5.5	5.0	5.0	5.5	5.5	5.5	6.5	6.0	5.5	4.5	3.5	3.0	2.5	2.5	2.5 ()

WIND SPEED (CC1011)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PERK		
1	6.5	6.5	5.5	4.0	3.5	3.5	3.0	5.5	9.5	8.5	10.0	10.0	9.5	10.5	8.5	10.5	8.5	3.5	6.5	9.0	5.0	5.5	4.0	5.5	7.0	10.5	
2	4.0	3.5	4.0	5.0	2.5	3.0	2.5	3.0	3.5	3.5	5.0	8.0	17.0	11.5	10.5	11.5	14.0	6.5	6.0	6.0	6.0	6.0	7.0	6.0	5.5	6.5	17.0
3	7.0	7.0	4.5	4.0	5.0	6.0	6.5	4.0	2.5	3.5	3.5	3.5	6.0	7.5	7.0	5.0	5.5	12.0	9.0	9.5	10.5	7.0	5.0	5.0	6.5	6.5	12.0
4	4.5	7.5	5.0	5.0	5.0	4.0	6.0	4.0	3.5	3.5	5.0	4.5	5.5	7.5	12.5	12.0	9.5	10.0	11.5	8.5	9.5	8.5	9.0	12.0	7.0	12.5	
5	8.5	5.5	4.0	4.0	6.5	8.5	8.5	4.5	2.5	4.5	5.0	4.5	6.0	8.0	11.5	15.5	11.5	6.0	7.5	6.0	6.0	6.0	6.0	6.0	6.0	7.0	15.5
6	5.5	7.0	7.0	9.5	6.0	6.5	4.0	4.0	3.5	4.0	4.0	5.0	6.5	11.5	12.5	17.0	10.5	10.5	8.5	6.5	3.0	6.0	4.0	2.5	7.0	17.0	
7	3.5	5.0	4.5	3.0	2.5	3.0	4.0	1.5	2.5	4.5	6.5	16.5	16.0	12.5	9.0	7.5	11.0	11.5	12.5	9.0	6.5	4.0	4.0	6.5	7.0	16.5	
8	5.5	2.5	1.0	2.0	2.5	2.0	1.5	3.5	3.0	3.5	4.5	7.0	6.0	7.0	5.0	5.0	8.0	10.5	13.5	17.5	14.5	9.5	17.5	8.0	6.5	17.5	
9	4.0	7.5	3.5	4.0	7.0	4.0	2.5	3.5	5.0	17.5	19.0	21.5	15.5	18.5	18.0	17.5	9.0	6.5	5.5	6.0	5.0	5.0	4.0	4.0	9.0	21.5	
10	3.5	3.5	5.0	3.0	4.0	6.0	3.0	3.5	16.5	14.0	12.0	20.5	21.0	20.5	24.5	22.5	17.5	19.0	9.5	7.5	4.5	6.0	3.5	6.0	10.5	24.5	
11	3.5	2.5	6.5	3.5	10.0	10.0	6.0	4.0	4.5	5.0	5.5	6.5	10.5	17.0	7.5	12.0	5.5	6.0	3.5	13.5	10.0	4.0	3.5	10.0	4.0	7.0	17.0
12	8.0	10.0	4.0	3.0	4.0	6.0	4.0	7.0	13.0	11.5	13.0	12.0	14.0	12.0	9.5	12.5	12.5	10.0	6.5	6.5	3.0	3.5	2.0	2.5	6.0	14.0	
13	2.0	4.0	4.0	7.0	6.0	6.0	4.5	6.5	5.0	5.0	5.5	6.5	4.5	4.5	5.0	20.5	15.0	7.0	7.5	10.0	11.0	8.0	6.5	7.0	20.5	7.0	15.0
14	7.5	8.5	9.5	7.5	5.0	5.5	6.5	3.0	3.0	3.5	4.0	3.5	4.5	4.0	10.0	11.5	11.5	15.0	10.5	8.0	10.0	5.5	5.5	4.5	7.0	15.0	
15	5.0	5.0	8.0	6.5	5.5	4.5	3.5	4.5	3.5	3.5	4.0	5.5	6.5	7.5	5.5	5.0	6.0	4.0	2.5	11.0	7.0	4.5	6.0	9.5	5.5	11.0	
16	5.0	4.5	3.5	6.5	4.5	5.5	4.0	1.5	3.0	7.5	5.5	10.0	13.5	9.5	7.5	10.0	13.5	12.5	16.0	5.5	5.5	6.5	6.5	6.5	7.5	16.0	
17	10.0	10.0	6.0	13.5	12.0	9.0	4.5	12.5	10.0	4.5	3.5	4.0	4.5	7.0	4.0	4.0	4.0	4.5	3.0	3.5	3.5	4.5	5.0	9.0	6.5	13.5	
18	9.5	5.5	6.5	5.5	5.0	5.0	5.0	3.5	3.0	4.0	5.0	5.0	6.5	5.5	4.5	4.5	4.0	4.0	4.0	5.0	5.0	5.0	10.0	12.5	8.0	5.5	12.5
19	7.0	9.5	5.5	6.5	9.5	6.5	5.0	4.0	3.5	5.0	5.5	6.0	7.5	6.5	5.5	5.5	6.0	5.0	5.5	4.5	5.0	7.0	10.5	10.0	6.5	10.5	
20	5.5	6.0	7.0	7.0	7.0	6.5	6.0	4.5	2.5	3.5	4.0	5.0	5.5	5.0	7.0	6.0	6.0	4.0	5.0	6.5	6.5	6.5	9.5	10.0	6.0	10.0	
21	8.0	6.0	5.5	6.5	9.0	6.0	4.5	3.0	3.5	3.5	4.0	4.5	6.5	5.0	5.0	5.0	4.0	3.5	4.5	6.0	10.5	12.0	10.0	6.0	12.0	6.0	10.0
22	7.0	6.5	5.5	5.0	4.5	5.5	3.5	3.0	4.5	3.0	4.0	5.5	7.0	15.0	13.5	17.0	15.0	17.0	17.5	12.0	13.5	5.0	10.0	11.5	9.0	17.5	
23	12.0	3.5	7.5	9.5	9.5	12.5	13.5	19.0	17.0	20.5	21.0	19.5	19.5	18.5	18.0	19.5	17.5	19.5	22.0	12.5	7.5	7.5	11.0	14.0	14.5	22.0	
24	14.5	15.0	16.5	16.5	14.5	11.5	17.5	25.5	23.0	23.0	25.0	23.0	22.0	23.0	19.5	17.0	19.5	13.5	15.0	20.5	18.0	17.0	12.5	12.0	18.0	25.5	
25	9.0	10.5	13.0	7.5	4.0	10.0	12.5	13.0	14.5	16.0	16.5	17.0	18.0	17.0	16.5	16.0	9.5	9.5	7.5	6.5	8.0	8.0	4.0	4.5	11.0	14.0	
26	5.0	5.0	6.5	5.5	4.5	4.0	4.0	5.0	4.5	4.5	5.0	7.0	13.5	14.0	12.5	13.0	16.0	16.0	16.0	5.5	4.5	4.5	6.0	9.5	8.0	16.0	
27	9.0	7.0	6.5	7.0	4.0	3.0	2.0	3.0	9.5	19.0	18.5	18.0	17.5	17.0	17.0	17.0	17.0	15.5	18.0	9.5	8.0	7.0	8.0	7.0	11.0	19.0	
28	5.5	5.0	5.5	5.0	6.5	5.0	3.5	3.5	17.0	19.0	16.0	17.0	16.5	17.0	17.5	18.5	17.0	15.5	8.5	6.0	6.0	6.0	6.0	10.0	11.0	19.0	
29	12.5	12.0	7.0	5.0	7.5	8.0	13.0	5.0	4.5	10.5	9.5	12.5	13.0	13.5	11.0	9.0	10.5	9.5	10.0	9.5	11.0	8.0	6.0	4.5	9.5	13.5	
30	4.5	6.0	6.0	6.0	5.0	3.5	3.0	4.0	5.0	5.0	7.0	8.5	9.0	13.0	14.5	13.0	12.0	15.5	13.0	9.0	8.0	11.0	10.0	8.0	8.0	15.5	
31	9.0	6.0	8.5	7.0	6.5	5.0	5.5	14.0	8.5	6.0	5.5	9.5	9.5	7.0	7.5	11.0	14.0	10.0	11.0	10.5	6.0	5.0	11.5	4.0	8.5	14.0	
AV	7.0	6.5	6.0	6.5	6.0	6.0	5.5	6.0	6.5	8.0	8.5	9.5	10.5	11.0	11.0	11.5	11.5	11.0	9.5	9.0	7.5	7.5	6.0	7.5	8.0	11.0	
80	3.0	3.0	3.0	3.0	3.0	2.5	3.5	5.5	5.0	6.0	6.0	5.5	5.5	5.0	5.0	5.5	5.0	4.5	5.0	4.0	3.5	3.0	3.5	3.0	2.5	3.0	

WHITE RIVER SHALE PROJECT, #139
 BUNANZA, UTAH
 SITE 6
 JUN, 1980
 AEROVIRONMENT INC.

WIND SPEED (CROSS)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.5	8.0	9.5	9.0	8.5	7.0	4.5	4.5	6.0	7.0	11.0	14.0	9.0	13.5	12.5	8.0	6.5	16.0	11.0	8.0	9.5	8.0	10.5	9.0	16.0		
2	9.0	8.5	5.0	4.5	4.0	4.5	3.5	4.0	13.5	17.5	14.0	14.0	17.0	19.0	18.0	19.5	19.5	19.5	18.0	15.5	6.0	6.5	10.0	11.0	12.0	19.5	
3	10.5	11.5	11.5	8.0	8.5	9.5	8.5	12.0	20.0	20.0	19.5	22.0	20.5	20.0	19.5	19.5	17.0	19.0	15.0	11.0	8.0	11.5	13.0	12.5	14.5	22.0	
4	10.0	12.0	14.5	11.5	12.0	9.0	2.5	5.0	17.0	20.0	21.5	19.0	20.5	20.5	20.5	20.0	19.5	18.0	18.0	14.5	10.0	12.0	10.5	8.0	14.5	21.5	
5	9.5	7.0	7.0	9.5	10.5	10.5	7.0	4.0	4.5	7.0	15.0	17.5	19.0	17.0	18.0	20.0	19.5	18.5	17.5	16.0	13.0	12.5	10.0	8.5	12.5	20.0	
6	6.0	3.0	6.0	6.5	3.5	5.0	15.5	16.5	16.0	19.5	20.0	21.0	20.5	19.5	18.5	20.0	19.0	22.0	20.5	17.0	9.5	6.5	5.0	4.0	13.5	22.0	
7	4.5	6.0	7.0	6.5	6.5	4.5	2.5	5.0	4.5	5.5	6.0	8.0	8.5	7.0	6.5	7.0	6.5	6.5	9.5	7.0	5.0	6.0	10.0	10.5	6.5	10.5	
8	9.5	7.5	5.0	7.0	7.5	7.5	3.5	3.5	5.0	4.5	5.5	5.0	4.5	7.0	7.5	8.0	8.5	10.0	7.0	5.0	6.5	7.0	8.0	7.0	10.0	10.0	
9	7.0	7.5	7.5	7.5	9.5	9.5	5.5	3.0	4.5	4.5	4.5	6.0	4.5	6.0	7.0	7.5	6.5	6.0	8.5	7.0	7.0	8.5	11.5	13.0	7.5	13.0	
10	10.0	5.0	5.5	10.0	8.0	8.0	4.5	2.5	3.5	5.0	5.5	6.0	11.0	16.5	16.5	14.5	13.5	14.5	12.5	10.5	10.5	13.0	4.5	2.5	9.0	16.5	
11	5.0	4.5	4.0	3.5	6.0	4.5	4.0	3.5	4.5	10.0	19.0	21.5	20.5	19.0	19.5	19.5	16.5	15.5	16.0	12.5	13.5	17.0	15.0	14.0	12.0	21.5	
12	9.0	6.0	4.0	5.5	9.0	3.0	6.0	9.5	14.0	17.5	17.0	17.5	19.0	18.0	18.5	17.5	17.5	18.0	14.5	14.0	12.5	9.5	3.5	6.0	12.0	19.0	
13	7.0	7.0	7.0	6.5	6.5	6.5	5.0	3.0	3.5	5.5	17.0	20.0	20.0	17.5	19.5	17.0	18.0	17.0	15.0	14.5	15.5	10.5	9.5	8.0	11.5	20.0	
14	5.5	9.0	3.5	4.0	5.5	4.0	3.0	3.0	7.0	10.0	18.5	18.0	19.5	18.5	19.0	19.0	17.0	17.0	18.5	18.5	20.0	15.5	10.5	12.5	10.0	12.5	20.0
15	6.5	6.5	6.0	5.0	5.0	5.0	7.5	4.0	3.5	7.5	8.0	10.5	10.0	10.5	14.0	15.5	12.5	11.5	11.0	10.5	6.0	9.5	4.5	4.0	8.0	15.5	
16	7.5	4.5	3.0	4.0	6.0	6.0	6.0	4.0	4.5	4.0	6.5	8.0	7.0	8.0	8.5	5.5	5.5	6.5	5.0	4.0	6.5	11.0	9.5	11.0	6.5	11.0	
17	6.0	7.5	7.0	6.5	5.5	6.0	4.0	2.5	3.5	4.5	4.5	5.0	5.5	4.0	8.5	9.5	7.5	5.0	2.0	2.5	7.0	6.5	8.0	10.5	6.0	10.5	
18	7.5	5.0	5.0	7.0	4.5	6.0	4.0	3.5	3.5	4.5	7.0	10.0	9.0	5.5	7.0	9.5	10.5	9.0	12.0	6.5	7.0	12.5	5.5	10.0	7.0	12.5	
19	7.0	6.5	5.5	7.5	7.5	6.5	7.0	4.0	4.5	6.0	4.5	7.0	9.0	19.0	20.0	18.5	10.5	7.0	5.5	3.5	7.5	7.0	9.5	9.0	8.5	20.0	
20	8.0	7.5	7.5	6.5	7.5	7.0	4.5	3.0	3.5	4.5	6.0	7.0	7.0	10.5	13.5	13.0	14.5	9.5	12.0	14.0	11.5	13.0	10.0	4.0	8.5	14.5	
21	5.0	4.0	5.5	6.0	8.5	5.5	6.0	4.5	4.5	5.5	8.0	7.0	13.5	17.0	15.0	16.5	16.0	17.0	11.0	7.0	6.5	6.0	8.5	6.5	9.0	17.0	
22	5.5	8.5	5.0	4.5	6.0	7.0	5.0	4.0	4.0	4.5	5.5	6.5	9.5	7.0	14.5	14.0	12.5	12.5	11.0	10.5	10.5	11.5	7.5	5.5	15.0	23.0	
23	9.5	9.0	15.5	9.5	11.0	13.5	9.5	16.5	21.5	22.5	21.5	21.0	19.5	20.0	23.0	22.5	20.5	19.0	18.5	14.0	11.0	9.5	6.5	6.5	8.5	14.5	
24	7.5	9.5	9.5	8.5	6.5	7.0	4.0	2.0	4.5	3.0	7.5	15.5	15.5	17.0	14.0	15.5	14.0	16.5	15.5	9.5	14.5	11.5	11.0	13.5	10.5	17.0	
25	8.5	6.5	5.0	3.5	7.0	6.0	2.5	2.5	8.0	6.5	15.0	16.0	18.5	16.5	17.0	17.0	17.5	14.5	17.0	16.0	15.0	9.5	11.0	10.5	11.5	14.5	
26	6.5	8.0	7.0	5.0	3.5	6.5	4.0	4.0	8.0	9.0	18.0	20.0	18.0	19.0	20.0	17.5	17.5	18.0	17.0	16.0	13.0	14.0	11.5	3.5	12.5	20.0	
27	9.5	13.0	13.5	8.5	8.5	9.0	14.0	9.0	6.0	6.5	7.0	9.0	14.0	15.0	15.5	17.0	16.5	17.5	17.5	14.5	8.5	4.5	3.0	6.5	11.0	18.5	
28	6.5	10.0	8.5	8.0	5.5	8.0	4.0	4.0	4.5	6.5	6.0	7.5	6.0	9.5	8.0	8.0	7.5	6.0	4.0	3.0	6.0	6.5	5.5	2.5	9.0	6.5	10.0
29	7.0	7.0	6.0	5.5	7.0	8.5	6.0	5.5	6.0	5.0	6.0	11.0	14.5	10.0	9.0	9.0	13.5	21.0	8.5	5.0	12.0	7.0	7.5	8.0	8.5	21.0	
30	6.5	5.5	3.5	3.0	4.0	4.0	5.0	5.0	11.5	10.0	6.5	12.5	12.0	8.0	6.5	7.5	6.5	7.5	6.5	4.5	13.5	9.0	10.5	7.0	7.5	13.5	
AV	7.5	7.5	7.0	6.5	7.0	7.0	6.0	5.5	7.5	9.0	11.0	12.5	13.5	14.0	14.5	14.5	14.0	13.5	13.0	10.5	10.0	10.0	8.5	8.5	10.0	11.0	
SD	1.5	2.5	3.0	2.0	2.0	2.0	3.0	3.5	5.0	6.0	6.0	6.0	5.5	5.0	5.0	5.0	4.5	5.5	5.0	4.5	3.5	3.0	3.0	3.0	2.5	3.0	

WHITE RIVER SMALE PROJECT, #139
 BOMANZA, UTAH
 SITE 6
 JUL, 1980
 AEROVIRONMENT INC.

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	5.0	6.5	4.5	6.5	4.5	4.0	5.5	4.0	7.0	7.5	4.5	4.5	6.0	10.0	17.0	6.5	12.5	14.0	13.5	8.5	9.5	6.5	4.0	7.5	17.0	
2	4.0	3.0	3.5	4.5	5.0	6.0	2.5	5.0	3.5	3.0	3.5	4.5	10.5	10.0	4.5	6.0	5.0	3.5	9.0	11.0	10.0	10.5	10.5	7.5	6.0	11.0	
3	7.5	5.5	4.5	6.0	4.5	3.5	3.0	2.5	4.0	5.0	5.5	7.5	6.0	6.0	7.5	12.5	10.0	10.0	10.0	6.5	6.5	4.0	4.0	6.5	4.0	12.5	
4	6.0	5.5	13.0	20.0	15.0	12.0	14.0	8.0	5.5	5.5	5.0	7.0	8.5	11.0	8.5	5.5	7.5	6.0	7.0	7.0	9.0	8.0	12.5	6.5	9.0	20.0	
5	6.5	6.0	5.0	5.0	5.5	6.0	4.5	3.5	4.0	5.0	8.0	9.5	16.5	17.0	15.5	15.0	11.5	15.0	12.5	7.0	10.5	14.5	5.0	9.0	17.0		
6	3.5	4.5	5.0	7.0	7.0	7.0	4.5	3.0	3.5	4.0	5.5	6.0	9.5	13.5	13.5	14.0	19.0	12.0	9.0	5.5	7.0	10.5	7.0	7.5	19.0		
7	9.0	9.0	13.5	9.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0	8.0	20.0	22.0	16.0	12.5	15.5	16.0	10.0	12.0	13.0	4.5	2.0	14.0	10.0	27.0	
8	11.5	11.5	8.0	5.0	3.5	2.5	4.0	5.5	9.5	11.0	10.5	9.0	12.0	12.0	15.5	16.0	16.5	21.5	5.0	10.5	6.5	4.5	4.5	6.5	9.5	21.5	
9	6.0	7.5	9.5	7.0	5.0	4.0	4.0	3.5	4.5	5.0	6.0	6.0	6.5	7.5	5.5	7.5	7.5	7.0	6.5	6.5	9.0	9.5	4.0	5.5	6.5	9.5	
10	7.0	8.0	8.0	8.0	5.0	6.0	7.0	3.5	3.5	3.5	5.5	8.0	9.5	15.0	14.5	11.5	13.0	16.0	16.0	13.5	8.5	5.5	4.0	4.0	8.5	16.0	
11	4.5	6.0	7.5	8.5	6.5	4.5	4.0	3.5	4.5	4.0	5.5	7.0	9.0	7.0	19.0	17.0	9.5	6.5	6.0	4.0	4.5	4.5	9.5	12.0	7.5	19.0	
12	12.5	3.5	4.5	6.5	6.0	5.5	4.5	9.5	12.5	10.0	9.5	13.5	5.0	16.5	18.0	14.5	17.0	9.0	4.5	3.5	11.5	16.0	11.5	5.0	9.5	18.0	
13	3.0	3.0	5.5	3.5	3.0	11.0	9.0	3.5	8.0	14.5	9.0	5.5	9.0	16.0	21.5	12.5	19.0	12.5	8.0	11.5	9.0	13.0	9.0	4.5	9.5	21.5	
14	3.0	4.0	4.0	5.0	3.5	4.5	4.0	3.5	7.5	11.5	8.5	10.5	13.0	17.0	19.0	18.5	15.5	14.5	14.5	13.0	13.5	10.0	7.0	6.5	3.0	9.0	19.0
15	7.0	6.0	4.5	3.5	4.5	6.0	4.0	2.5	3.0	5.0	8.5	11.0	11.5	11.0	14.0	13.5	16.0	14.5	13.0	13.5	10.0	4.5	4.5	11.0	8.5	16.0	
16	8.0	8.0	8.5	7.5	9.0	7.5	5.0	3.5	4.5	6.0	5.5	5.5	7.0	10.5	8.5	8.5	8.5	5.0	4.0	3.0	6.5	10.0	12.0	7.0	7.0	12.0	
17	9.5	7.5	6.5	9.0	10.5	8.0	4.0	3.5	3.0	6.0	6.5	8.5	8.5	10.0	9.0	12.5	16.5	17.0	13.5	11.0	8.5	4.0	6.0	7.0	8.5	17.0	
18	7.0	6.0	3.5	3.0	3.0	5.5	5.5	4.0	4.0	2.5	4.5	6.5	8.5	11.0	8.0	12.5	12.5	9.5	10.5	6.5	10.5	11.0	5.5	6.0	7.0	12.5	
19	4.0	3.5	3.0	6.0	5.0	3.5	3.5	4.0	5.0	8.5	10.0	12.0	10.5	14.5	16.5	15.0	14.0	12.0	13.5	14.5	12.5	12.5	12.5	5.0	6.5	16.5	
20	7.5	6.5	7.5	7.0	6.0	5.5	4.0	3.0	5.0	4.5	5.0	6.0	6.5	9.0	12.5	12.0	10.0	7.5	7.0	7.0	5.0	5.0	5.0	5.0	6.5	12.5	
21	10.0	10.0	8.0	8.0	7.0	6.5	2.5	4.0	6.5	6.0	4.5	7.0	7.0	8.0	11.5	10.5	10.5	9.5	7.0	2.0	4.5	8.0	10.0	8.5	7.5	11.5	
22	6.5	12.0	7.0	10.0	4.5	5.0	3.5	3.0	4.0	5.5	6.0	8.5	13.0	11.5	12.5	13.0	13.5	12.0	11.0	6.5	6.5	3.5	4.5	5.5	6.0	13.5	
23	8.5	8.5	7.0	3.0	4.5	6.5	6.0	3.5	3.0	4.5	4.5	8.5	6.0	9.5	16.0	20.0	8.5	7.5	6.5	4.0	6.0	7.5	6.0	4.5	7.0	20.0	
24	6.0	7.5	7.5	6.5	6.5	5.0	4.5	4.0	5.0	6.0	6.0	6.5	8.0	10.0	13.5	9.5	5.5	13.0	17.0	17.0	17.5	5.5	6.5	6.5	7.5	17.5	
25	5.5	6.0	7.5	7.5	6.5	6.5	5.0	5.5	6.0	6.0	5.0	6.5	8.0	10.0	11.5	8.5	8.5	5.0	7.0	6.0	10.5	11.0	11.5	7.0	7.5	11.5	
26	6.5	5.5	9.5	7.5	5.5	6.5	6.0	4.0	3.0	6.5	4.0	4.5	7.5	10.0	13.0	12.5	10.0	13.0	7.0	13.5	10.0	5.0	6.5	6.0	7.5	13.5	
27	8.0	9.0	8.5	6.5	7.5	7.0	4.5	3.5	3.5	3.5	6.0	5.5	5.5	7.0	8.5	7.5	10.0	7.5	4.5	5.5	4.0	7.5	4.0	6.5	10.5	10.5	
28	8.0	8.0	11.0	6.5	8.0	10.5	7.0	3.0	3.5	4.5	6.0	6.5	6.5	10.0	11.5	9.5	8.0	6.5	6.0	3.5	7.0	11.0	12.0	6.0	7.5	12.0	
29	5.0	5.0	5.5	9.0	8.0	6.0	4.5	4.5	5.0	4.0	6.5	8.5	10.5	20.0	19.0	8.5	14.5	9.5	9.0	4.0	6.5	8.5	6.5	7.5	8.0	20.0	
30	7.5	4.5	3.5	8.0	6.5	5.0	5.0	4.0	4.0	6.0	6.0	7.5	8.0	10.5	10.0	11.5	10.0	11.0	10.0	5.5	4.5	7.5	10.0	10.0	7.5	11.5	
31	8.0	7.5	8.0	10.5	7.0	8.0	6.5	4.0	3.5	4.5	6.0	6.0	6.5	4.0	6.0	7.5	8.0	13.0	12.0	11.5	6.0	3.0	4.5	6.0	7.0	13.0	
AV	7.0	6.5	7.0	7.0	6.5	6.0	5.0	4.0	5.0	6.0	6.5	7.5	8.5	11.0	12.5	12.0	11.5	11.0	10.0	8.5	8.5	8.0	7.0	7.0	8.0	11.0	
SD	2.5	2.5	2.5	3.0	2.5	2.0	2.0	1.5	2.0	2.5	2.0	2.0	3.0	4.0	4.0	3.5	3.5	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.5	1.0	1.0

ADDDT (29 JAN 81)

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 3 10 METERS

WHITE RIVER SHALE PROJECT #139
BONANZA, UTAH
SITE 6

AUG, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	6.5	5.5	7.0	8.5	8.5	7.5	5.5	4.0	3.5	3.5	4.0	6.5	8.5	9.0	11.0	12.0	14.5	17.0	5.5	5.5	10.5	7.5	4.5	6.0	7.5	17.0
2	7.0	6.0	5.0	6.5	9.0	8.0	5.0	4.0	4.5	5.0	5.0	7.5	9.5	14.0	9.0	12.0	10.0	14.0	15.5	9.5	6.0	2.5	3.5	9.0	6.0	15.5
3	6.0	4.0	10.0	7.0	7.5	6.0	7.0	2.5	2.5	3.5	7.0	13.0	20.5	22.0	22.0	23.5	25.0	24.5	22.0	17.5	14.0	16.0	5.5	7.0	12.5	25.0
4	6.0	5.5	4.5	7.5	5.5	4.0	5.0	3.0	3.5	8.5	9.0	12.0	11.5	11.5	12.0	11.5	13.0	16.0	16.5	14.5	8.0	4.0	9.5	10.5	9.0	16.5
5	9.5	13.0	6.5	6.0	5.0	6.5	5.0	3.5	5.0	5.0	6.0	8.5	9.0	8.0	6.5	9.5	15.5	14.5	13.5	9.0	10.0	10.5	9.5	7.5	4.5	15.5
6	4.0	5.0	5.0	3.5	5.5	3.5	5.5	4.5	4.5	10.0	6.5	9.0	10.0	17.0	16.5	15.5	13.0	13.0	11.5	8.5	9.0	11.0	4.0	4.0	4.0	17.0
7	4.5	6.5	8.5	9.0	7.5	4.5	6.0	3.0	4.5	5.0	8.0	8.5	7.0	8.5	6.0	6.0	7.5	6.0	6.0	6.0	6.0	10.0	5.5	6.5	6.5	10.0
8	8.5	7.0	6.0	7.5	7.0	9.0	6.0	4.0	4.0	5.5	7.5	10.5	12.5	17.0	15.5	13.0	7.0	7.0	7.0	4.5	6.0	7.5	10.5	7.5	8.0	17.0
9	6.0	13.0	6.5	5.0	4.0	3.5	3.5	8.5	11.0	12.0	12.5	10.5	10.0	13.5	17.0	17.0	12.5	9.0	9.0	4.5	2.5	5.0	4.0	5.0	9.0	17.0
10	10.5	4.5	7.5	5.5	5.5	5.5	8.5	5.0	3.5	4.0	4.0	6.5	15.0	15.5	16.0	16.0	15.5	15.0	14.5	13.5	12.0	4.0	7.5	7.5	9.5	16.0
11	5.0	4.0	7.5	7.5	7.0	7.0	5.5	3.5	4.0	3.5	4.0	4.5	7.5	6.0	6.0	6.5	7.0	5.0	4.0	5.5	7.0	13.0	14.0	12.0	6.5	19.0
12	6.5	8.0	6.5	6.5	4.5	6.5	5.0	4.0	4.0	11.0	10.5	10.0	12.0	13.0	9.0	8.5	13.5	9.5	10.0	8.5	13.0	17.0	14.0	5.0	9.0	17.0
13	3.0	4.0	5.0	6.5	2.5	7.0	6.0	2.5	2.5	4.0	6.5	7.0	9.0	8.0	17.0	14.0	14.0	10.5	10.5	6.5	10.0	14.0	7.0	5.5	8.0	17.0
14	4.0	5.0	4.5	2.0	4.5	5.5	6.0	6.5	3.5	5.5	5.5	8.0	6.5	7.0	12.5	12.0	10.0	9.5	13.5	16.5	8.5	4.5	5.5	3.5	7.0	16.5
15	5.5	6.0	7.5	15.0	13.5	8.5	6.0	2.0	3.0	4.0	7.5	6.5	15.5	16.5	19.5	18.0	15.5	16.0	7.0	11.0	13.5	6.0	9.0	6.0	10.0	19.5
16	6.5	7.0	6.5	6.0	9.0	6.0	8.0	7.5	4.5	5.0	8.0	9.0	9.0	6.5	11.0	10.5	9.0	5.5	6.0	5.5	10.5	7.5	7.0	5.5	7.5	11.0
17	8.0	4.0	11.0	8.5	7.5	6.5	5.5	4.0	3.0	4.0	4.5	5.0	4.5	7.0	10.0	7.5	7.0	6.0	6.5	8.0	6.0	6.0	6.0	8.0	6.5	11.0
18	6.0	5.0	6.0	5.5	4.5	5.5	4.0	3.5	4.5	9.0	16.5	17.0	19.5	18.5	20.5	21.0	21.0	19.5	17.0	15.0	13.0	11.5	11.0	11.5	12.0	21.0
19	9.5	10.0	13.0	11.0	12.0	13.5	13.0	16.0	19.0	20.5	18.0	20.5	18.0	23.0	16.5	9.0	22.5	10.5	10.5	6.0	8.0	6.0	5.0	4.0	13.5	23.0
20	4.0	6.0	6.5	10.0	9.0	9.5	10.5	8.0	4.5	7.0	5.5	8.0	8.5	10.0	7.0	5.5	4.5	4.5	4.5	4.5	6.0	5.5	5.5	8.5	7.0	10.5
21	12.0	4.5	6.0	8.0	6.5	7.5	7.0	3.5	3.0	4.0	6.0	5.5	5.5	7.5	8.5	8.0	4.5	5.0	5.0	5.0	7.0	11.0	11.0	4.0	7.0	12.0
22	6.0	6.0	7.5	7.5	7.5	7.0	4.0	2.5	2.5	3.5	4.5	4.5	12.5	16.5	19.5	17.0	17.0	17.0	17.0	11.5	10.0	11.5	7.0	3.5	9.5	19.5
23	9.5	7.5	5.5	5.5	4.0	3.5	3.0	3.5	9.0	12.5	16.0	12.0	15.0	16.0	19.0	13.5	5.5	11.5	14.5	11.5	12.5	17.5	4.0	7.5	10.0	19.0
24	4.0	2.5	3.5	3.0	4.0	3.5	4.0	2.0	3.0	4.5	6.0	7.0	8.0	5.5	8.0	10.0	10.0	9.0	12.0	6.5	6.0	5.5	13.5	13.0	6.5	13.5
25	4.0	4.0	7.0	10.0	7.0	4.5	4.5	4.0	3.5	3.5	4.0	13.0	9.0	8.5	7.0	8.5	12.0	5.5	4.0	3.0	6.5	4.0	6.0	4.0	6.5	13.0
26	4.0	5.0	6.5	4.5	5.0	5.0	5.5	6.0	3.5	3.0	3.5	3.5	4.0	5.0	6.0	9.0	15.5	11.0	11.0	5.0	6.0	6.0	4.0	4.0	6.5	15.5
27	6.0	7.5	4.5	7.0	6.5	7.0	6.5	4.0	3.0	4.5	5.0	4.5	5.0	4.5	10.0	15.0	15.0	12.0	7.5	8.5	5.5	3.0	4.0	4.0	7.0	15.0
28	4.5	4.5	3.0	3.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	9.5	17.0	20.0	18.5	19.0	17.5	16.0	13.0	13.0	12.5	10.0	13.5	13.5	10.0	20.0
29	11.0	10.5	11.5	11.0	7.0	3.0	3.0	3.5	7.5	12.0	11.0	13.5	17.0	19.0	16.0	15.0	15.0	15.0	12.0	9.5	11.5	4.0	3.0	3.0	9.5	19.0
30	4.0	3.0	4.0	4.5	4.0	4.0	5.5	4.0	3.5	4.0	4.0	4.0	6.5	6.5	10.0	18.5	17.5	16.5	20.0	11.0	5.0	3.0	5.0	5.0	7.5	20.0
31	6.0	9.5	7.0	7.0	8.5	7.5	7.5	6.5	3.0	4.0	3.5	3.5	6.0	11.0	12.0	15.0	10.5	4.5	5.5	6.0	4.0	6.5	5.0	6.5	7.5	17.0
AV	6.5	6.5	7.0	7.0	6.5	6.0	6.0	4.5	4.5	6.0	7.0	4.5	10.5	11.5	13.0	13.5	13.0	12.0	10.5	9.0	4.5	4.5	7.5	7.0	4.5	11.0
80	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.5	3.0	3.5	4.0	4.0	4.5	5.0	5.0	4.5	4.5	5.0	5.0	4.0	3.0	4.0	3.0	3.0	2.0	11.0

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS
 SEP, 1980
 AEROVIRONMENT INC.

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #
 SEP, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.5	7.5	7.0	9.5	7.0	6.0	10.0	4.5	3.5	3.5	4.0	4.5	6.5	8.0	5.5	6.0	5.0	4.0	2.5	4.0	6.5	5.0	6.5	5.5	6.0	10.0	
2	5.5	9.0	8.0	7.5	5.0	7.0	5.5	3.5	3.0	4.0	4.0	4.5	6.5	8.5	14.0	17.5	17.0	16.0	10.0	9.5	10.5	8.5	7.5	4.0	8.5	17.5	
3	3.5	3.5	3.5	2.5	4.5	7.0	5.5	3.0	2.5	5.5	7.0	7.5	8.0	8.5	11.5	16.0	13.0	12.0	11.5	9.5	6.0	7.5	11.0	7.5	7.5	16.0	
4	9.5	10.0	10.0	8.0	6.0	8.0	7.5	7.5	3.5	4.0	4.0	4.0	5.0	7.0	9.0	8.5	6.0	4.0	2.5	6.5	11.0	9.5	9.5	8.5	7.0	11.0	
5	7.0	7.0	8.0	8.0	6.0	6.0	6.5	5.5	2.5	4.5	4.0	4.5	4.5	6.0	7.0	7.0	6.5	7.0	6.5	4.5	9.0	12.5	7.5	3.0	6.5	12.5	
6	4.0	4.5	3.0	5.0	4.5	7.5	5.5	4.0	5.5	10.5	10.5	9.0	8.0	10.5	12.0	16.0	10.0	6.0	5.0	10.5	7.5	5.5	9.0	7.5	16.0		
7	7.5	8.0	6.0	7.0	7.5	2.5	2.0	3.5	10.5	7.5	5.5	3.5	4.0	4.0	3.5	4.5	9.5	6.0	5.0	3.0	5.0	4.0	4.5	4.0	5.0	9.5	
8	7.0	5.5	4.5	2.0	2.5	2.5	4.0	2.5	5.5	6.0	5.5	3.5	6.5	11.0	10.5	7.0	5.0	4.5	9.0	9.0	5.0	3.5	3.5	2.5	5.5	11.0	
9	3.0	1.5	3.5	4.0	3.5	2.5	3.0	1.5	4.5	3.0	15.5	5.5	6.0	4.0	8.5	4.5	3.5	6.0	8.5	9.0	6.0	4.5	4.5	8.5	5.5	15.5	
10	6.0	5.5	6.5	5.5	5.5	5.0	4.0	4.0	4.0	12.5	17.0	15.5	17.0	18.0	15.5	16.0	14.5	6.5	4.0	7.0	6.5	6.5	7.5	7.0	9.0	18.0	
11	7.0	7.5	6.5	5.0	4.0	4.0	4.0	5.0	4.0	7.5	5.5	4.5	6.5	6.5	5.0	5.5	11.5	9.0	4.0	10.5	7.5	9.0	9.0	10.0	9.5	19.0	
12	4.5	8.5	5.5	3.5	4.0	5.5	5.0	3.0	2.5	4.0	4.0	14.0	19.0	17.5	17.0	13.0	10.5	8.0	8.5	8.0	8.5	11.5	11.0	10.0	9.5	19.0	
13	8.0	7.0	9.0	8.0	5.5	4.0	6.0	5.0	4.5	6.5	15.0	13.5	11.0	9.0	10.0	9.5	6.5	4.5	3.0	7.5	7.5	5.0	6.5	5.0	7.5	15.0	
14	7.0	6.5	5.5	5.5	6.0	6.0	6.0	4.0	4.5	5.0	5.0	5.5	8.0	11.5	13.5	14.0	11.0	11.0	9.0	9.0	5.5	6.5	3.5	2.5	7.0	14.0	
15	4.5	3.0	3.0	3.5	6.0	5.5	6.0	5.0	4.5	8.5	19.0	19.5	19.5	16.5	17.0	18.0	16.5	17.0	18.5	17.0	13.5	7.0	9.0	6.5	11.0	19.5	
16	8.5	8.5	6.0	8.0	8.0	10.0	10.5	6.0	4.0	4.5	8.0	10.0	11.0	12.0	10.0	7.5	6.5	11.0	4.0	4.0	7.0	11.0	9.5	7.5	8.0	12.0	
17	6.5	8.5	6.0	8.0	8.0	8.0	10.0	10.5	3.5	3.5	4.5	4.5	9.5	10.0	18.0	16.0	16.5	13.5	11.5	8.5	13.5	14.5	17.0	13.5	10.0	18.0	
18	8.5	8.0	10.0	6.0	5.5	5.0	5.0	3.5	16.0	18.0	17.5	17.5	19.0	19.5	17.5	13.0	9.5	7.5	9.0	12.5	14.5	8.0	3.0	6.5	13.5	19.5	
19	12.5	11.0	11.5	13.0	14.0	13.5	13.0	13.0	16.0	16.0	4.0	5.0	6.0	6.5	6.5	7.5	7.0	5.5	4.0	7.0	9.5	11.0	4.0	4.0	2.5	8.5	19.5
20	7.0	4.0	4.0	6.0	9.0	8.5	6.0	4.5	3.0	7.0	12.0	13.0	14.5	13.0	19.5	19.5	10.0	9.5	10.0	9.5	11.0	4.0	4.0	4.0	2.5	8.5	19.5
21	5.0	7.0	5.5	3.0	5.5	4.0	6.5	4.0	3.0	4.0	3.0	5.0	7.0	5.5	6.0	5.5	5.0	5.0	5.0	6.0	10.0	6.5	10.5	9.0	5.5	10.5	
22	2.5	2.5	2.5	2.0	3.0	4.0	3.0	3.5	5.0	7.0	5.5	4.0	4.5	6.5	8.0	6.5	5.5	5.0	6.0	6.5	4.5	8.0	7.5	4.0	6.5	4.0	10.0
23	10.0	7.5	8.5	8.0	6.5	6.0	5.0	5.0	4.0	3.5	4.0	4.5	6.5	8.0	6.5	8.5	8.5	8.5	8.5	7.5	9.0	6.0	9.0	9.5	8.0	16.0	
24	9.0	10.5	11.0	10.0	7.5	8.0	7.5	5.5	3.0	4.0	8.5	14.0	16.0	14.5	8.5	6.5	4.0	2.5	4.5	7.5	9.0	6.0	9.0	9.5	8.0	16.0	
25	8.0	7.0	7.0	4.5	6.0	7.5	5.0	3.0	4.5	4.0	6.5	7.5	6.0	6.5	8.5	7.0	7.5	4.0	4.0	6.5	9.5	10.0	10.0	10.0	6.5	10.0	
26	8.0	9.0	7.5	7.0	8.0	5.0	6.5	4.5	2.5	3.0	4.0	6.0	5.0	5.5	7.0	6.0	6.5	5.0	6.0	7.5	7.0	4.5	8.0	7.5	4.0	9.0	
27	8.5	8.5	8.0	4.5	6.0	4.5	4.5	3.0	2.5	3.5	4.0	4.0	6.5	5.5	6.0	7.5	5.5	5.0	4.0	7.0	10.0	10.0	8.5	7.0	6.0	10.0	
28	10.0	9.0	9.0	7.5	6.0	4.5	5.0	3.5	4.0	4.5	4.0	4.5	5.5	8.5	7.5	7.5	7.5	4.0	4.5	7.5	7.5	6.0	6.0	5.5	6.0	10.0	
29	6.5	8.0	9.0	9.5	5.0	9.0	8.0	6.0	3.5	3.5	4.0	6.0	7.5	6.5	6.5	7.0	5.5	4.0	4.0	5.5	11.5	9.0	10.5	7.0	11.5	9.0	
30	7.5	9.0	8.0	5.5	4.5	6.5	5.5	4.5	3.5	3.5	4.0	4.5	5.0	6.0	6.0	6.0	5.0	4.5	4.0	7.5	5.5	8.0	6.5	7.0	5.5	9.0	
AV	7.0	7.0	6.5	6.0	6.0	6.0	6.0	4.5	4.5	5.5	7.5	8.0	9.0	9.0	10.0	10.0	9.0	7.5	6.5	7.5	8.5	8.0	8.0	7.0	7.0	7.0	
SD	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.5	3.0	4.5	4.5	4.5	4.0	4.5	5.0	4.0	4.0	3.5	2.5	2.5	3.5	3.0	2.5	2.0	2.0	

AUGUST (29 JAN 81)

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH
SITE 6

OCT, 1960

AEROENVIRONMENT INC.

WIND SPEED (CROSS)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK			
1	9.0	9.0	6.5	6.0	5.5	7.0	7.0	5.0	3.5	3.0	5.5	5.5	4.5	6.5	5.5	4.5	6.0	5.0	4.0	4.0	5.0	5.0	5.0	5.5	9.0				
2	7.0	6.5	4.5	3.5	4.5	5.0	6.5	12.0	11.5	10.0	10.0	8.0	7.0	6.5	5.0	4.5	3.5	2.5	4.0	7.0	9.0	7.0	9.0	9.5	7.0	12.0			
3	10.0	6.0	5.5	7.0	5.5	5.0	4.5	4.5	3.0	3.0	4.0	4.5	4.0	4.5	5.0	5.0	3.0	2.5	4.0	7.0	9.5	8.5	7.5	10.0	5.5	10.0			
4	9.5	6.0	6.0	7.5	5.5	4.5	4.5	4.5	3.0	3.5	3.5	4.0	5.0	5.5	7.0	7.0	4.5	6.5	9.5	6.0	9.5	10.0	10.0	10.5	6.0	10.5			
5	7.5	9.0	9.5	10.0	6.5	6.0	7.5	6.5	3.5	3.5	4.0	4.5	4.5	6.0	7.5	7.0	5.5	4.5	7.0	9.5	10.5	10.5	10.0	7.0	10.5	7.0	10.5		
6	5.5	8.0	7.5	8.0	8.0	11.5	8.5	6.0	3.0	1.5	4.5	6.5	6.0	6.0	5.5	6.0	6.5	5.0	4.0	6.5	10.5	12.0	10.0	6.0	7.0	12.0			
7	6.5	5.5	6.0	5.0	5.5	4.5	5.0	5.0	2.5	3.0	3.5	5.0	5.0	6.0	6.0	5.5	3.0	4.5	6.0	11.0	10.0	9.5	9.5	6.0	11.0	6.0	11.0		
8	8.5	9.5	7.0	6.0	7.5	5.5	5.0	3.5	2.5	3.0	3.5	4.0	6.0	7.0	5.0	3.5	3.0	5.0	9.5	10.0	8.5	8.5	9.5	6.0	10.0	6.0	10.0		
9	10.0	9.5	7.0	5.5	4.0	4.0	6.0	5.0	4.0	3.5	5.0	5.0	4.5	7.0	6.5	6.5	4.0	4.0	5.0	5.5	6.0	6.5	10.0	6.0	10.0	6.0	10.0		
10	10.0	6.0	4.0	3.5	5.0	3.5	7.5	3.0	4.0	7.0	10.0	8.5	7.0	5.0	6.0	6.0	3.5	4.5	3.5	5.0	8.0	7.5	9.5	10.0	6.0	10.0	6.0	10.0	
11	9.0	10.0	6.0	9.5	7.5	4.5	4.5	5.0	3.5	3.0	3.5	5.5	6.5	9.0	5.0	3.5	3.0	5.0	4.0	4.5	4.0	3.5	3.0	3.5	3.0	5.5	10.0	5.5	10.0
12	2.5	3.0	4.0	4.0	3.5	4.0	4.0	4.0	5.5	7.0	9.0	6.5	10.0	9.0	4.0	5.0	10.5	12.5	5.0	3.0	6.5	7.0	5.0	3.5	6.0	12.5	6.0	12.5	
13	4.5	10.5	8.5	4.0	3.5	3.5	4.0	2.5	3.0	5.0	5.0	6.5	7.0	6.5	5.5	8.5	5.0	4.5	8.0	6.5	11.0	10.0	5.0	4.0	6.0	11.0	6.0	11.0	
14	4.0	5.5	6.0	5.5	4.5	3.0	3.0	3.0	4.0	4.0	4.0	9.5	4.0	7.0	6.0	9.5	9.0	24.0	17.0	10.0	17.0	4.0	7.5	10.0	7.0	24.0	7.0	24.0	
15	6.5	7.0	8.5	3.5	6.0	11.0	15.0	4.0	7.0	10.5	12.5	15.0	15.5	17.5	14.5	14.5	10.0	8.5	4.0	5.0	6.0	5.0	5.5	4.0	9.0	17.5	9.0	17.5	
16	6.5	7.0	1.5	7.0	6.5	3.5	8.0	4.5	5.5	7.5	6.5	6.0	6.0	5.0	5.5	5.0	4.5	10.0	12.5	10.5	13.5	13.0	12.5	12.5	7.5	13.5	9.0	16.5	
17	13.0	6.0	3.5	6.0	6.5	7.5	7.0	6.0	4.5	8.0	9.5	11.0	13.0	14.0	16.5	10.5	11.5	11.5	12.5	12.5	7.5	7.0	6.0	6.0	9.0	16.5	6.0	16.5	
18	8.0	8.5	9.0	10.0	10.5	8.5	7.5	6.5	6.0	5.5	4.0	4.0	5.5	4.0	3.5	6.0	1.5	2.0	4.0	8.5	7.5	3.5	7.5	9.0	6.5	10.5	6.5	10.5	
19	7.5	5.0	6.0	5.0	6.5	4.0	3.5	4.0	2.5	3.0	4.5	4.0	4.5	6.0	7.5	5.5	5.5	5.5	4.0	6.5	8.5	10.5	10.5	6.5	5.5	10.5	5.0	10.5	
20	8.0	6.0	7.5	6.0	4.5	4.0	5.5	5.0	3.5	3.0	3.5	4.5	4.5	5.5	5.5	3.5	3.0	2.5	4.0	7.5	6.5	5.0	6.0	7.5	5.0	10.0	5.0	10.0	
21	6.5	8.5	5.0	5.0	10.0	6.5	3.5	5.5	4.0	2.5	4.0	4.5	4.5	5.0	5.0	5.0	3.5	5.0	6.5	5.0	2.0	3.5	5.5	4.0	5.0	10.0	5.0	10.0	
22	5.0	4.5	4.5	4.5	6.0	5.0	3.0	4.5	3.5	4.5	14.5	18.0	17.5	17.0	22.5	22.5	25.5	24.5	16.0	12.0	6.5	4.0	2.5	3.0	10.5	25.5	5.0	25.5	
23	4.5	3.0	6.0	4.0	6.5	12.0	5.5	4.0	7.5	8.0	10.5	7.0	6.0	5.0	4.5	4.0	4.5	2.5	5.0	6.0	7.0	9.0	9.5	5.5	6.0	12.0	6.0	12.0	
24	4.5	5.0	5.0	6.0	6.5	5.0	4.5	3.5	2.5	3.0	3.5	3.5	4.5	5.0	5.5	5.0	7.0	6.0	3.0	5.5	7.5	7.0	8.0	9.5	5.5	9.5	5.5	9.5	
25	10.5	7.0	6.0	4.5	4.5	7.0	5.5	3.5	3.0	3.0	4.5	5.5	6.5	6.5	6.0	6.0	2.5	2.0	6.0	7.0	8.5	6.5	4.5	7.0	5.5	10.5	5.5	10.5	
26	5.5	4.0	3.5	2.5	3.5	5.5	2.5	3.5	2.5	1.5	4.5	8.5	8.5	6.5	7.5	4.5	2.0	3.0	4.0	1.0	1.0	2.5	3.0	1.0	4.0	8.5	4.0	8.5	
27	2.0	4.0	4.5	6.5	7.0	5.5	3.0	3.0	3.5	11.0	11.0	11.5	12.0	14.0	12.5	15.5	15.0	14.0	11.0	10.5	9.5	9.0	5.5	4.5	4.5	15.5	4.5	15.5	
28	6.0	4.0	2.5	2.5	3.0	1.5	2.5	2.5	3.0	4.0	5.0	4.5	4.0	4.5	4.0	5.0	3.0	5.5	4.5	5.5	9.0	7.5	8.0	8.0	4.5	9.0	4.5	9.0	
29	5.0	3.0	5.5	4.5	3.5	4.5	3.0	3.0	3.5	3.0	4.5	3.5	5.0	5.0	4.0	4.5	4.0	4.5	3.5	5.0	6.5	6.5	8.0	8.0	4.5	9.0	4.5	9.0	
30	4.0	7.5	5.5	4.0	4.0	5.0	4.5	3.0	2.5	3.5	3.5	4.5	5.0	4.5	3.5	3.5	2.0	5.0	3.5	5.5	7.5	6.5	7.0	9.0	5.0	9.0	5.0	9.0	
31	7.5	7.0	4.5	4.5	5.0	5.5	4.0	5.0	3.0	2.5	3.5	3.5	4.5	4.5	4.0	5.5	5.0	3.5	4.5	6.0	6.5	8.0	7.5	7.0	5.0	8.0	5.0	8.0	
AV	7.0	6.5	5.5	5.5	5.5	5.5	5.5	4.5	4.0	4.5	6.0	6.5	6.5	7.0	7.0	6.5	6.0	6.5	6.0	7.0	7.5	7.0	7.5	7.5	6.0	7.5	6.0	7.5	
30	2.5	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.5	3.0	3.5	3.5	3.5	4.0	4.0	4.5	5.5	3.5	2.5	2.5	2.5	2.5	3.0	1.5	1.5	1.5	1.5	

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 NOV, 1980
 AFROVIRONMENT INC.

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE PEAK
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	10.5	7.5	7.5	6.5	5.0	4.5	5.5	4.5	3.0	3.0	4.5	5.0	5.0	3.0	3.5	4.5	2.5	5.0	6.5	8.0	8.5	6.0	5.0	5.5	10.5
2	4.0	6.5	7.0	5.5	5.0	4.0	4.0	4.0	3.0	3.5	3.0	4.5	4.5	4.0	4.0	3.0	2.5	4.0	8.0	7.0	4.5	8.5	6.0	5.0	10.5
3	7.0	3.5	6.0	5.5	4.0	5.0	3.0	4.0	2.5	2.5	3.5	4.0	4.5	4.0	4.0	3.0	2.5	4.0	6.5	6.5	4.5	4.5	8.5	4.5	7.0
4	8.0	7.0	6.5	6.0	6.0	6.0	6.0	4.5	3.0	4.0	4.5	4.5	4.5	4.0	2.0	3.5	3.0	3.5	6.0	7.5	9.0	7.0	7.5	5.5	9.0
5	7.0	6.5	5.5	4.0	4.5	4.0	3.5	3.5	2.5	3.0	4.0	4.5	4.5	4.5	5.0	5.0	5.5	4.0	7.0	8.0	8.0	9.5	9.0	5.5	9.5
6	9.0	5.5	7.0	6.5	5.5	4.5	4.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	4.0	2.5	6.0	2.0	4.5	9.0
7	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	3.0	3.5	3.0	3.5	4.0	8.5	14.0	10.5	13.0	7.5	4.5	4.5	9.5	3.5	3.5	6.0	18.0
8	7.0	6.5	9.0	10.5	8.0	7.5	12.0	11.0	11.5	13.0	15.0	17.0	18.0	18.0	17.0	14.0	7.0	5.0	6.0	10.5	9.5	12.0	11.5	11.0	18.0
9	6.5	6.5	5.5	5.0	6.0	4.5	5.0	2.5	3.0	3.5	5.0	5.0	5.0	5.0	3.5	3.5	2.5	3.0	3.5	3.5	5.5	6.0	4.5	4.5	8.0
10	4.5	2.5	5.0	4.0	5.0	4.0	3.0	2.5	3.5	3.5	4.0	5.5	6.5	4.0	3.0	3.0	3.5	6.0	7.0	7.0	10.0	8.0	7.0	4.5	10.0
11	5.0	4.5	3.5	3.5	3.0	3.5	5.0	3.0	2.0	3.0	2.5	5.0	4.0	4.0	2.5	3.0	2.5	4.5	7.5	7.5	6.0	3.0	2.5	4.0	7.5
12	2.0	3.0	5.5	4.0	6.0	7.5	5.0	6.5	3.0	3.5	15.0	20.0	16.5	17.0	14.5	17.5	12.0	13.5	6.5	6.5	10.0	8.5	3.0	6.0	20.0
13	2.5	3.5	5.5	6.5	10.5	12.5	9.5	14.5	17.0	14.0	11.0	9.5	8.5	8.5	6.0	9.5	8.5	9.0	10.0	11.0	10.0	8.5	8.5	9.5	17.0
14	5.5	3.0	2.5	1.5	2.5	3.0	4.0	5.5	6.5	4.5	5.0	6.0	5.5	6.0	3.5	5.5	5.5	9.5	10.0	9.5	5.0	2.5	3.5	5.0	10.0
15	4.5	6.0	6.5	7.0	5.5	6.0	7.5	6.0	6.0	4.5	4.0	4.5	6.0	7.5	7.5	6.0	7.5	4.5	6.5	7.0	5.5	3.5	3.5	6.0	8.5
16	3.5	3.0	2.0	3.5	4.0	3.5	3.5	2.0	2.5	3.5	6.0	6.5	5.0	3.5	3.5	6.0	5.5	3.0	3.0	3.5	5.0	4.5	3.0	3.0	4.0
17	4.5	3.5	5.0	5.0	6.5	7.5	9.5	5.0	3.5	3.0	4.5	4.0	4.5	3.0	1.5	2.5	2.5	5.0	6.0	6.5	7.5	8.0	9.5	5.0	9.5
18	6.0	5.0	5.0	7.5	7.5	5.0	4.0	5.0	3.5	2.5	3.0	3.5	4.5	4.5	4.5	3.5	3.5	6.0	7.5	7.5	10.5	6.5	6.5	9.0	5.5
19	7.0	7.5	7.0	6.5	5.5	4.0	6.5	4.0	2.5	2.5	3.0	4.0	4.0	3.5	4.0	3.5	2.5	4.0	4.0	6.0	6.5	7.0	4.5	5.0	10.0
20	6.5	4.5	5.5	7.0	5.0	4.5	3.5	3.0	3.5	3.5	3.5	4.5	4.5	5.0	4.0	5.0	4.5	6.0	6.0	6.5	10.0	6.0	4.5	4.5	6.5
21	6.0	4.5	6.5	5.0	8.5	6.5	5.5	3.0	3.0	2.5	3.0	3.5	4.0	4.5	5.0	5.0	4.0	3.0	6.0	6.0	3.5	3.5	3.0	4.5	4.5
22	5.0	2.5	2.0	4.0	3.5	3.5	4.0	3.0	2.5	2.5	2.5	3.0	3.5	3.5	5.0	9.5	9.5	6.0	6.5	6.5	10.5	6.5	4.5	5.0	10.0
23	4.5	4.5	6.0	6.0	6.0	6.0	6.5	6.5	5.5	3.5	4.0	4.0	4.0	6.0	4.0	4.0	4.5	2.5	5.0	5.0	9.5	3.5	3.5	4.5	9.5
24	5.0	3.5	2.5	2.0	2.0	3.0	3.5	3.5	6.0	4.0	3.0	4.0	2.0	3.0	3.0	4.0	4.0	8.5	6.0	6.5	3.5	4.0	4.5	4.5	8.5
25	5.0	6.0	7.5	4.0	5.0	3.0	3.5	3.0	3.5	2.0	3.0	4.0	4.0	3.0	3.5	4.0	4.0	4.5	5.5	5.0	6.5	10.0	4.0	4.0	7.5
26	5.0	5.0	6.0	7.0	6.0	6.0	7.5	8.0	3.0	3.0	4.5	5.0	4.0	4.0	4.0	1.5	4.0	5.5	4.5	5.0	6.5	10.0	10.0	5.5	10.0
27	6.0	5.5	5.0	4.5	3.0	5.0	3.0	4.5	2.0	3.0	4.5	6.0	4.5	4.5	2.5	3.5	4.0	4.5	2.5	3.5	4.0	5.0	4.5	4.0	6.0
28	4.0	3.5	4.0	4.5	4.5	3.5	6.0	4.5	3.5	4.0	5.0	4.5	4.5	4.0	3.0	4.5	4.0	3.0	3.0	3.0	3.0	3.5	2.5	4.5	4.0
29	3.0	1.0	3.0	5.0	3.5	5.0	3.5	3.0	3.5	4.0	3.5	3.5	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.5	2.5	2.5	3.0	5.0
30	2.0	3.0	2.5	3.0	2.5	3.0	2.5	3.0	3.0	3.0	3.0	7.5	5.5	7.0	7.0	6.5	6.0	5.5	5.0	5.5	9.0	15.5	7.5	5.0	15.5
AV	5.5	4.5	5.0	5.0	5.5	5.0	5.0	4.5	4.0	4.5	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.0	6.5	6.0	6.0	6.0	5.5	5.5
90	2.0	1.5	1.5	1.5	2.0	2.0	2.0	2.5	3.0	3.0	3.5	3.0	3.5	4.0	3.5	3.5	3.0	3.0	2.0	2.0	2.0	2.5	3.0	2.5	1.5

ADOUT (29 JAN 81)

WIND SPEED (CC801)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139
BONANZA, UTAH
SITE 6

DEC. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	5.5	6.0	4.0	2.0	3.5	5.5	5.0	5.0	3.0	7.5	7.0	17.0	12.0	9.0	7.0	5.0	0.0	6.5	5.5	8.0	5.5	5.5	4.5	3.5	6.5	17.0	
2	3.0	2.5	3.5	3.0	4.5	5.0	3.0	3.5	4.0	3.0	4.0	5.0	3.0	3.0	3.5	4.0	3.0	2.5	3.5	3.0	3.0	3.5	4.0	2.5	4.5	5.5	
3	3.5	3.0	3.5	3.5	2.5	3.0	3.5	6.0	4.5	3.5	4.0	3.5	4.0	6.5	9.0	7.0	12.0	7.5	6.5	10.5	5.5	3.0	4.0	5.5	12.0	5.5	
4	4.0	4.5	4.5	3.5	4.0	3.5	4.0	13.5	15.0	17.0	21.5	31.5	24.5	22.5	19.0	16.0	14.0	10.0	7.0	4.5	8.0	9.5	14.5	10.0	12.5	31.5	
5	7.5	10.5	11.5	5.0	3.0	4.0	4.0	1.5	4.0	4.0	4.5	9.0	5.0	4.0	5.5	6.0	7.0	3.5	4.5	4.0	6.0	3.0	5.0	2.5	5.0	11.5	
6	4.5	3.0	3.0	2.0	2.5	3.0	3.5	3.5	5.0	3.0	3.5	3.5	4.0	3.0	2.0	5.0	4.0	9.0	5.5	4.0	3.0	3.0	2.5	2.5	3.5	4.0	
7	2.5	2.0	3.5	1.5	3.0	2.5	3.5	4.5	2.5	2.5	3.5	6.0	4.5	5.5	6.0	4.0	1.5	2.5	9.0	8.0	4.5	5.0	4.5	4.0	4.0	4.0	
8	4.0	4.5	5.5	4.0	2.0	2.5	4.0	4.0	3.0	3.0	4.0	5.0	6.5	6.0	7.5	6.5	5.5	3.5	4.5	6.0	8.0	10.5	7.5	6.5	5.5	10.5	
9	0.0	7.5	3.5	3.0	1.5	4.0	2.0	3.0	4.0	3.5	6.0	5.5	6.0	5.0	4.0	3.5	2.5	3.0	5.0	9.0	4.0	4.5	7.0	7.5	5.0	9.0	
10	6.0	5.0	5.5	6.5	5.0	6.5	7.5	4.0	3.5	3.0	3.0	3.5	3.5	4.0	4.5	5.5	5.5	3.5	3.5	4.0	5.5	4.5	4.0	5.0	4.5	7.5	
11	7.5	4.0	3.0	3.5	5.0	3.0	5.0	4.0	3.5	2.5	3.5	4.0	4.5	6.0	4.0	5.5	5.5	3.5	3.5	4.5	6.5	7.0	7.5	7.5	4.0	7.5	
12	5.0	4.0	6.5	4.0	5.0	2.5	4.5	4.5	3.5	2.5	2.5	3.5	3.0	4.5	4.5	4.5	4.5	5.5	4.0	5.0	4.5	6.5	6.0	6.5	4.5	6.5	
13	7.0	5.0	4.5	5.0	3.0	4.5	4.5	3.5	4.5	2.5	3.0	3.0	3.0	3.5	3.5	6.5	4.5	4.5	4.0	6.5	7.0	5.5	6.0	4.5	4.5	6.5	
14	6.5	7.0	4.5	5.0	3.0	4.5	4.5	3.5	3.5	3.5	3.0	4.0	3.5	3.5	4.5	6.5	4.5	5.0	3.5	5.5	5.5	5.0	4.5	4.5	4.5	6.5	
15	5.5	6.0	4.0	4.5	4.0	3.5	3.0	4.0	3.5	2.5	3.5	4.0	6.0	4.0	2.5	3.5	3.0	5.0	5.5	3.0	5.5	6.0	5.0	4.0	4.0	6.0	
16	4.5	4.0	4.0	3.5	4.0	3.5	4.5	2.5	2.0	2.5	3.5	3.0	3.5	5.5	5.5	6.0	6.0	3.5	4.0	5.5	6.0	4.5	7.0	5.5	4.5	7.5	
17	4.0	6.5	4.5	2.5	2.5	3.0	3.0	4.0	2.5	2.5	3.5	4.0	3.5	4.5	5.0	7.5	4.0	4.0	4.5	4.0	5.5	5.5	7.0	5.0	4.5	7.5	
18	4.5	6.0	3.0	3.5	4.0	3.0	3.0	3.0	2.5	2.5	3.0	4.0	3.0	3.0	3.5	6.0	7.5	4.0	4.5	7.0	4.0	3.5	4.5	5.5	4.5	7.5	
19	6.0	8.5	4.5	6.0	5.0	5.5	4.5	5.5	5.0	3.0	3.0	4.0	3.0	3.0	3.5	4.5	4.5	3.0	4.5	7.5	6.0	5.5	4.5	4.5	4.5	7.5	
20	7.0	4.5	5.0	4.0	4.0	5.5	4.0	3.0	3.0	2.0	3.0	3.0	3.5	3.5	4.0	5.5	4.5	3.0	5.0	6.0	6.5	5.5	5.0	6.0	4.5	7.0	
21	7.0	6.0	5.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.0	3.5	3.0	2.5	4.5	4.0	3.0	3.0	2.0	2.5	3.5	7.0	
22	3.0	3.5	5.5	4.5	5.0	3.5	3.0	3.0	3.0	4.5	6.0	5.5	3.5	3.0	3.0	5.5	6.0	4.5	3.0	3.5	2.5	2.5	5.5	7.0	4.0	3.0	
23	3.0	3.5	3.5	7.5	6.0	4.0	6.0	4.0	4.5	6.5	5.5	7.5	5.0	4.0	4.0	5.0	2.5	4.0	6.5	4.0	9.0	7.5	7.0	6.0	6.0	4.0	
24	5.5	7.0	6.5	4.5	3.5	5.5	4.0	4.0	4.5	2.5	3.0	3.5	4.5	5.0	4.5	4.5	4.0	2.5	4.0	6.5	8.5	4.5	3.5	4.5	4.5	6.5	
25	5.0	4.0	4.0	5.5	4.0	4.5	5.0	4.0	3.5	3.5	3.0	5.0	5.0	5.0	5.5	5.0	4.5	3.0	4.0	6.5	4.0	6.0	6.5	6.0	4.5	6.5	
26	6.5	8.5	6.5	4.0	3.0	4.5	4.0	5.5	4.0	4.5	4.0	3.0	3.0	3.0	3.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	7.5	7.5	5.0	6.5	
27	6.5	4.5	5.5	5.5	4.0	4.0	5.0	4.0	3.0	2.5	2.5	3.0	3.5	4.5	4.0	4.0	5.5	3.5	3.5	4.5	5.0	5.5	4.0	5.0	4.5	6.5	
28	5.0	4.0	4.5	4.0	3.0	4.5	3.5	3.0	3.0	3.0	3.0	4.0	4.0	4.5	5.5	5.0	3.5	3.0	5.5	6.5	7.0	7.0	7.5	7.0	4.5	7.5	
29	6.5	6.5	7.0	6.0	6.0	5.0	4.5	5.0	4.0	3.0	3.0	4.0	4.0	3.5	3.0	4.0	3.5	3.0	6.0	9.0	9.5	7.0	7.0	4.0	4.0	5.5	9.5
30	5.0	5.5	4.5	5.5	5.0	6.0	4.5	7.5	4.5	3.0	2.0	3.5	3.5	5.0	4.0	7.0	6.0	2.5	4.5	6.0	7.5	5.0	5.0	4.0	5.5	8.5	
31	7.0	5.0	6.0	4.0	4.0	5.5	3.5	2.5	2.5	2.0	3.0	2.5	3.5	6.0	5.0	5.0	5.5	2.0	4.0	5.5	6.5	7.0	9.0	4.5	5.0	9.0	
AV	5.5	5.0	5.0	4.0	4.0	4.5	4.0	4.5	4.0	3.5	4.0	5.5	5.0	5.5	5.0	5.5	5.0	4.5	5.0	6.0	6.0	5.5	6.0	6.0	5.0	6.0	
90	1.5	2.0	1.5	1.5	1.5	1.5	1.0	2.0	2.0	2.5	3.5	5.5	4.0	3.5	3.0	2.0	2.5	3.0	1.5	2.0	2.0	1.5	2.5	2.0	1.5	1.5	

WIND SPEED (C115)
 MILES/HOUR
 LEVEL HEIGHT 3 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	4.0	1.5	2.0	4.0	7.0	5.0	5.0	5.0	2.5	4.0	3.0	2.5	3.5	3.5	4.0	3.0	5.0	2.0	3.0	2.0	1.5	2.5	3.0	3.0	3.5	7.0	
2	2.0	2.0	2.0	1.5	3.0	4.0	2.0	2.0	3.0	3.5	4.0	2.5	4.5	2.5	3.0	3.5	4.5	4.5	2.0	3.0	2.0	1.5	2.5	3.0	3.0	7.5	
3	2.0	2.0	2.0	4.5	5.0	6.0	5.0	4.0	2.0	1.5	2.0	3.0	3.0	4.5	4.5	3.0	3.0	5.0	3.0	2.0	2.5	4.0	2.5	2.0	2.0	3.5	6.0
4	3.0	2.5	2.5	2.0	2.5	2.0	2.5	3.0	3.5	3.0	2.5	2.0	3.0	3.5	2.5	3.5	3.5	4.0	3.0	2.5	2.5	2.5	2.0	3.5	3.0	4.0	
5	3.0	3.0	2.5	2.0	3.0	4.0	3.5	2.0	2.5	2.0	2.0	3.0	3.0	3.0	3.5	4.5	2.5	7.0	5.0	3.0	2.0	2.0	3.5	5.0	3.0	7.0	
6	3.0	3.5	3.0	5.5	5.0	4.0	5.0	6.0	6.5	6.5	7.5	7.5	13.5	14.0	15.5	15.0	13.0	9.0	5.5	5.0	5.0	2.5	2.5	7.0	15.5	7.0	
7	1.5	1.5	3.0	2.5	2.5	2.0	3.0	3.0	3.0	3.0	3.0	4.5	5.5	8.0	4.5	3.5	4.5	9.0	7.0	4.5	4.5	4.0	4.0	5.0	4.0	9.0	
8	3.5	3.0	2.0	2.0	2.5	3.5	2.5	3.0	2.0	2.0	3.5	4.0	4.0	2.5	2.5	5.0	2.5	3.0	7.0	6.0	6.0	9.0	12.5	4.0	4.0	12.5	
9	8.0	6.5	5.5	5.0	5.0	4.0	8.0	14.5	18.5	20.0	21.5	21.0	19.5	18.0	19.0	13.5	15.5	12.0	15.0	17.5	17.0	15.5	12.5	13.5	21.5	13.5	
10	11.5	18.0	24.0	22.5	21.0	17.0	14.5	14.0	23.5	23.5	25.0	24.5	22.0	19.0	24.0	20.5	19.5	22.5	23.0	18.5	13.5	4.5	4.5	5.5	19.0	25.0	
11	10.5	10.0	6.5	6.0	6.0	5.5	5.5	5.0	4.5	5.5	2.0	2.0	2.5	5.5	3.0	2.0	2.5	3.0	4.5	4.5	4.0	3.5	4.5	3.0	4.5	10.5	
12	3.0	3.5	3.0	3.5	3.5	3.5	6.5	5.5	3.0	4.0	2.5	5.5	4.5	2.5	4.0	3.0	2.0	5.5	4.0	4.5	4.0	2.5	2.5	4.5	4.0	6.5	
13	5.5	3.0	3.0	3.0	2.5	2.5	2.0	3.0	2.0	2.5	3.5	5.5	5.0	2.5	4.0	3.5	2.5	3.0	3.0	7.0	3.5	3.5	4.5	6.5	3.5	7.0	
14	17.5	16.5	15.0	14.5	15.0	14.0	13.0	10.0	17.0	10.5	9.5	7.5	6.5	6.5	5.0	3.0	3.5	4.5	3.5	4.0	3.5	3.0	3.5	3.0	4.5	17.5	
15	3.0	3.0	3.0	3.5	3.5	3.5	3.5	2.5	5.0	3.5	3.0	4.0	5.0	4.5	4.0	2.5	5.0	5.5	4.5	3.5	6.0	2.0	2.5	2.0	4.0	4.0	
16	2.0	2.5	2.0	4.0	3.5	4.0	5.0	4.0	3.0	1.5	2.5	3.5	3.5	4.5	7.0	7.5	5.0	3.0	3.5	4.5	4.5	4.0	4.5	3.5	4.0	7.5	
17	3.0	4.0	2.5	2.5	3.0	3.5	2.5	3.0	2.5	2.5	3.5	3.5	3.5	4.5	5.5	6.5	3.5	5.0	4.0	1.5	2.5	3.5	3.5	3.0	3.5	4.0	
18	1.5	2.0	3.5	2.5	2.5	2.5	2.0	3.0	3.0	3.0	2.5	3.0	2.5	6.5	7.0	6.0	8.0	6.5	3.5	15.5	19.5	23.5	24.0	22.0	7.5	24.0	
19	22.5	21.0	18.5	9.5	13.0	9.5	15.0	17.0	13.5	7.5	17.0	10.5	17.0	10.0	8.5	5.5	10.5	8.0	9.0	14.5	10.5	17.0	9.5	12.5	22.5	12.5	
20	5.5	4.5	8.5	5.5	10.0	8.0	5.5	6.0	3.5	2.5	6.5	6.0	5.0	5.0	7.5	7.0	9.0	7.0	2.5	2.5	1.5	2.5	2.0	5.5	10.0	5.5	
21	3.0	3.5	3.5	3.5	4.5	2.5	3.5	2.0	4.5	4.0	3.5	4.0	3.5	5.0	3.0	5.0	6.0	8.0	6.5	7.0	7.5	7.5	7.5	5.5	5.0	8.0	
22	4.5	4.0	4.5	5.0	6.0	4.0	4.5	5.5	5.0	5.0	4.0	4.0	3.5	5.0	4.0	5.0	3.0	3.5	3.5	5.0	5.0	4.5	4.5	6.0	4.5	6.0	
23	4.0	4.0	6.0	4.0	3.5	5.5	2.5	4.0	3.0	2.0	3.0	4.5	5.5	6.5	6.0	4.0	4.0	5.0	4.0	3.5	3.5	4.5	4.5	7.0	4.5	7.0	
24	5.0	3.0	3.0	3.5	4.0	4.5	2.5	3.5	2.5	5.0	3.5	3.0	3.0	3.5	4.0	3.0	4.5	5.5	4.5	4.5	4.5	4.0	3.0	3.0	4.0	5.5	
25	3.5	4.5	3.5	5.0	3.5	5.0	5.0	3.5	2.5	3.0	3.0	2.5	3.0	3.5	3.0	3.0	4.5	4.0	4.0	6.0	9.5	12.5	11.5	12.0	5.5	12.5	
26	14.0	13.0	7.0	4.5	4.0	6.0	4.0	4.5	4.0	5.0	3.5	5.0	6.0	8.5	9.5	13.5	15.0	14.0	17.0	10.5	10.5	8.0	9.0	8.5	8.5	17.0	
27	3.5	2.0	4.5	4.0	3.5	1.5	1.0	3.5	3.0	3.5	3.5	5.5	4.5	4.0	4.0	4.5	3.0	5.5	7.5	2.5	6.0	9.0	4.0	3.5	4.0	9.0	
28	4.0	4.5	9.0	5.5	8.5	5.5	5.5	3.0	3.5	3.5	4.0	4.5	4.0	4.0	3.5	3.5	2.5	3.0	2.5	3.0	2.5	3.0	1.5	1.0	4.0	9.0	
29	2.5	3.5	1.0	1.0	2.5	1.5	2.0	2.0	2.5	3.0	3.0	2.5	6.0	5.0	7.5	10.5	4.5	4.5	4.0	4.0	4.5	5.0	4.0	4.5	3.5	10.5	
30	6.5	6.5	8.5	8.0	7.0	7.0	5.5	8.5	6.0	4.0	1.5	2.5	2.5	3.0	2.5	2.0	1.5	2.5	4.5	7.0	6.5	6.0	4.0	6.0	5.0	4.5	
31	5.5	5.0	4.5	4.0	6.5	6.0	4.0	3.0	4.0	2.0	2.0	3.0	2.5	2.5	2.5	3.0	6.5	4.5	4.5	4.5	5.5	3.0	3.5	2.5	4.0	6.5	
AV	5.5	5.5	5.0	5.0	5.5	5.0	5.0	5.5	4.5	5.0	4.5	5.5	5.5	6.5	6.0	6.0	6.0	6.5	6.0	6.0	7.0	6.0	5.5	5.5	5.5	5.5	
SD	5.0	5.0	5.0	4.0	4.0	3.5	3.5	3.5	5.0	4.5	5.0	5.0	5.0	5.0	4.0	5.0	4.5	4.0	4.5	4.5	5.0	5.0	5.0	4.5	3.5	4.5	

WIND SPEED (CIC115)
 MILES/HOUR
 LEVEL WEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 FEB. 1960
 AERODIVISION INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.5	3.0	3.5	2.5	2.0	4.0	3.5	3.5	2.5	2.0	4.0	4.0	4.0	6.0	6.5	5.0	4.0	3.5	3.5	4.5	5.0	6.0	4.0	4.0	4.0	6.5	
2	4.0	3.5	2.5	3.0	5.0	4.0	3.0	3.0	3.0	3.5	3.0	4.5	5.0	3.0	3.0	2.5	5.5	3.0	4.0	4.0	3.5	1.5	2.5	2.5	2.5	3.5	
3	3.0	3.0	3.0	2.5	3.0	2.5	3.0	3.0	4.0	2.5	4.0	3.5	3.5	3.0	3.0	5.0	5.5	5.5	4.0	4.0	3.5	1.5	2.5	4.5	4.5	5.5	
4	2.5	3.5	3.5	3.0	5.0	3.0	2.0	2.5	2.0	3.0	2.5	3.0	3.5	6.5	6.5	3.0	3.5	2.5	2.0	3.0	2.5	3.0	4.0	3.5	3.5	6.5	
5	2.5	3.5	4.5	2.5	4.0	5.0	3.0	2.0	3.0	3.0	3.0	3.0	3.5	4.5	3.5	6.0	6.0	7.0	5.0	2.5	3.0	3.5	4.0	4.0	4.0	7.0	
6	4.0	3.5	7.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	4.5	3.5	3.5	3.0	3.5	5.0	7.0	6.0	6.0	3.5	3.0	4.0	3.0	3.5	3.5	7.5	
7	3.5	2.0	2.0	2.0	4.0	4.0	4.0	2.0	2.0	1.5	3.0	5.5	3.0	3.0	3.5	6.5	9.5	12.0	11.5	7.0	6.5	4.5	5.5	3.5	4.5	12.0	
8	9.5	10.0	8.0	8.0	5.5	4.0	4.0	9.0	6.0	2.0	3.5	4.0	7.5	9.0	6.5	3.0	3.0	3.0	4.0	7.5	8.5	10.0	8.0	6.0	6.5	10.0	
9	7.5	9.0	4.5	6.5	6.0	6.0	4.0	3.0	2.5	1.5	2.5	4.0	4.5	4.5	5.5	7.0	6.5	4.5	1.5	3.0	4.0	5.0	4.0	5.5	5.0	9.0	
10	5.0	6.5	6.0	6.5	5.0	4.0	3.0	3.5	2.0	2.0	2.5	2.0	4.5	5.5	6.5	7.0	5.5	3.0	4.0	4.5	4.5	4.5	5.0	4.5	4.5	7.0	
11	4.5	4.0	3.5	3.5	2.5	2.5	3.0	3.0	2.5	2.0	3.0	4.5	4.5	4.5	7.0	6.0	5.0	4.5	4.5	4.5	2.0	3.5	5.5	5.5	4.0	7.0	
12	7.5	3.5	4.0	3.5	2.5	3.5	2.5	2.0	2.5	2.5	2.5	4.0	4.0	5.0	6.5	7.0	6.0	3.5	2.0	2.5	2.5	2.0	2.0	1.5	3.5	7.5	
13	2.5	4.5	4.5	2.5	2.5	2.0	3.0	3.5	2.0	2.0	2.0	9.0	2.5	5.0	4.5	4.0	5.5	5.5	7.5	7.5	4.5	2.0	2.5	1.5	4.0	9.0	
14	2.0	4.0	3.0	3.0	2.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5	4.5	4.5	4.0	4.0	4.5	9.0	6.5	3.0	2.5	4.0	3.0	2.0	3.5	9.0	
15	5.0	3.5	4.0	2.0	3.0	2.0	2.0	2.5	1.5	2.5	3.0	3.0	3.5	4.0	4.0	5.0	9.0	6.5	5.0	3.0	2.0	3.0	2.0	3.0	3.5	9.0	
16	4.0	3.5	1.5	2.0	2.0	2.5	3.0	2.0	4.0	3.0	2.0	3.0	2.5	3.5	3.5	4.0	4.0	5.0	3.5	3.0	3.0	3.0	3.0	4.0	3.0	5.0	
17	2.5	2.5	2.5	2.0	2.5	4.0	2.0	3.0	4.0	2.5	4.5	4.5	5.5	5.5	3.0	2.5	5.5	6.0	3.0	2.5	2.0	3.5	2.0	2.0	3.5	6.0	
18	3.0	3.0	4.5	5.5	3.0	4.0	5.0	4.5	3.0	5.0	13.5	10.5	11.5	14.5	14.5	19.0	10.5	5.5	7.5	7.0	5.5	6.5	5.5	4.0	6.5	14.5	
19	3.5	5.0	11.0	10.5	10.0	7.5	4.5	4.5	2.5	4.0	3.0	10.5	11.5	11.5	14.5	19.0	7.5	4.5	4.5	4.0	4.5	3.5	3.5	3.5	4.0	7.0	14.5
20	4.5	6.0	7.5	10.5	9.5	4.5	9.0	2.5	2.5	4.5	4.5	10.0	6.5	4.0	6.0	7.5	5.5	3.0	7.0	7.0	6.0	5.5	5.0	4.0	6.5	11.0	
21	3.5	3.5	5.5	4.0	5.0	2.5	3.0	3.0	2.0	3.0	12.5	13.0	3.5	13.0	10.5	8.5	9.0	9.0	9.0	5.0	5.5	3.5	3.5	2.0	6.0	13.0	
22	2.5	2.5	3.0	4.5	6.0	4.5	4.5	5.0	4.0	7.0	6.5	8.0	13.0	6.5	9.5	9.0	6.0	6.5	3.0	4.5	7.0	5.5	4.5	4.0	6.0	13.0	
23	4.0	2.5	2.5	4.0	7.0	4.5	4.5	7.0	7.0	3.0	11.5	11.5	4.5	5.5	5.5	5.0	6.0	6.0	4.5	9.5	10.0	5.5	4.0	7.5	6.5	11.5	
24	6.0	3.5	4.0	7.5	6.5	3.5	4.0	5.0	4.0	3.5	4.0	4.0	5.0	7.0	5.5	3.0	3.0	1.5	2.0	3.0	7.0	9.0	6.0	6.0	5.0	9.0	
25	7.0	6.0	6.0	5.0	5.0	4.0	4.5	5.0	4.5	5.0	4.5	4.5	5.5	5.5	5.5	5.0	5.0	7.5	6.0	4.0	3.0	5.0	6.5	6.5	5.5	7.5	
26	5.5	6.0	6.5	5.5	4.5	2.5	4.0	5.0	3.0	2.5	5.0	5.0	4.5	5.5	5.0	4.0	4.0	5.5	3.0	2.0	4.0	4.5	4.0	6.0	6.5	4.5	
27	4.5	7.5	6.0	6.5	9.5	3.5	6.0	6.0	2.0	2.5	3.5	8.5	5.5	7.0	6.5	6.5	6.0	3.0	3.0	5.0	4.0	4.5	7.0	6.0	5.5	9.5	
28	6.5	7.0	4.5	5.5	4.5	3.5	5.0	4.5	4.0	3.5	4.0	5.5	7.5	6.5	7.0	3.5	4.0	2.5	2.5	10.0	11.0	7.0	6.5	4.0	5.5	11.0	
29	7.5	4.0	4.5	7.0	4.5	5.0	4.0	4.0	4.0	7.0	4.5	7.0	5.5	5.5	4.5	5.5	13.0	12.5	9.0	8.5	3.5	10.0	4.0	4.5	7.0	13.0	
AV	4.5	4.5	4.5	4.5	5.0	3.5	4.0	3.5	3.0	3.5	4.5	5.5	5.0	6.5	6.5	5.5	6.5	6.0	5.0	4.5	4.5	4.5	5.0	4.0	4.5	5.0	
SD	2.0	2.0	2.0	2.5	2.5	1.0	1.5	1.5	1.0	1.5	3.0	3.0	2.5	3.5	3.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	1.5	

WIND SPEED (CCH15)

MILES/HOUR
LEVEL HEIGHT ± 20 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

MAR, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK
1	11.0	12.0	8.5	3.5	8.0	6.5	4.5	5.5	6.5	8.0	7.5	7.5	9.5	5.0	6.5	7.0	3.5	4.0	2.0	4.5	6.0	7.5	6.5	6.5	12.0
2	5.0	6.5	4.5	4.0	4.0	5.0	3.0	4.0	3.0	2.5	3.0	5.0	6.0	8.5	7.0	5.5	3.5	4.0	3.5	3.0	4.0	4.0	4.0	4.5	8.5
3	3.5	2.0	2.5	4.0	3.0	3.5	4.0	3.5	3.0	3.5	13.5	16.5	20.5	19.5	19.0	16.0	5.0	4.0	4.0	3.0	3.0	5.0	8.0	8.0	7.5
4	9.5	12.0	6.0	7.0	5.5	4.5	4.0	3.5	3.0	2.0	9.0	5.5	11.0	14.5	10.5	14.5	16.0	20.0	22.0	10.0	7.0	7.0	5.0	7.0	9.5
5	10.0	6.5	7.5	5.5	4.5	4.0	3.5	3.5	4.0	4.0	14.5	17.0	16.0	16.0	20.5	17.0	16.0	19.5	17.0	13.0	17.0	12.5	10.0	11.5	20.5
6	12.5	9.0	11.0	17.0	9.5	8.0	6.5	4.0	2.5	3.5	6.5	6.0	3.5	5.0	3.0	4.5	3.5	6.5	6.0	5.0	5.0	3.0	2.5	3.5	6.5
7	3.0	2.5	2.0	3.5	4.5	6.0	3.5	5.5	3.5	2.5	7.5	10.0	11.0	8.5	6.5	5.5	4.5	4.5	7.5	6.0	5.0	3.5	4.5	5.5	11.0
8	4.5	3.5	5.0	4.0	6.5	4.5	8.0	4.0	4.0	5.5	8.5	12.0	13.0	11.5	12.0	15.0	12.0	9.5	8.0	7.0	6.0	5.0	7.0	7.5	15.0
9	4.0	7.5	7.5	6.5	8.5	8.5	7.0	5.5	4.5	7.5	8.0	13.0	14.5	15.5	15.0	13.5	11.0	8.0	7.5	7.0	7.5	8.0	8.5	8.5	15.5
10	10.0	6.5	6.0	7.0	7.5	5.0	5.0	4.5	3.0	3.0	5.0	6.5	8.5	7.0	6.5	7.0	6.5	7.5	5.0	3.5	3.5	6.0	7.5	4.5	6.0
11	8.0	6.5	5.5	6.5	7.0	3.5	3.5	3.0	1.5	2.5	4.0	3.5	4.0	6.5	11.0	14.5	8.0	10.0	11.5	11.5	11.0	13.0	5.5	7.0	14.5
12	6.0	16.0	16.0	20.5	23.0	19.5	21.5	20.5	16.5	14.5	21.5	21.5	18.5	16.0	16.5	15.5	13.5	15.0	7.5	5.0	6.0	3.5	8.0	8.0	14.5
13	7.0	5.0	4.5	9.0	7.5	5.0	5.0	4.0	3.5	4.5	4.0	4.0	5.5	7.0	8.0	8.0	5.5	5.0	7.5	5.0	6.0	3.5	4.5	4.5	5.5
14	4.0	5.0	5.0	4.0	5.5	5.0	5.5	5.0	4.0	5.0	6.5	9.5	10.5	7.0	16.5	17.0	14.5	9.0	5.5	12.5	7.0	4.5	2.5	4.5	9.0
15	4.0	5.5	5.0	5.0	3.0	3.0	3.5	4.5	4.0	3.5	5.0	11.0	13.0	8.0	15.5	16.0	15.5	14.5	13.0	5.0	4.0	5.0	18.5	15.0	14.5
16	12.5	19.5	17.5	13.0	14.0	8.5	5.5	11.0	5.5	13.5	16.0	15.0	18.5	20.0	18.0	18.5	20.0	18.0	15.5	9.0	5.5	5.5	6.0	8.5	13.0
17	6.5	6.5	6.5	8.0	4.5	5.5	5.0	5.0	4.5	4.0	6.0	7.5	12.5	10.0	9.0	6.0	12.0	9.5	12.5	15.5	12.0	9.0	4.5	4.5	11.0
18	11.0	4.5	5.5	6.0	9.0	3.5	3.5	3.0	4.0	3.5	5.0	7.0	10.5	10.0	7.5	10.0	6.0	8.5	4.5	4.0	7.0	10.0	6.5	9.0	7.0
19	12.0	6.5	8.5	6.5	5.5	5.0	7.0	5.5	3.5	5.0	9.5	11.5	13.0	13.5	15.0	14.5	16.0	16.5	17.0	12.0	6.0	5.0	2.5	2.5	9.0
20	3.5	6.0	5.0	5.5	7.0	5.0	6.5	5.0	3.5	3.0	4.5	6.0	5.0	8.0	9.0	8.0	6.5	14.0	17.5	10.5	12.0	16.0	5.0	9.0	7.5
21	6.0	7.5	5.0	4.5	4.5	4.0	4.5	3.5	4.0	18.0	23.0	22.5	20.5	21.0	20.5	22.0	17.0	10.5	8.0	3.0	9.0	9.5	8.5	11.5	23.0
22	9.0	13.5	4.5	4.5	5.5	3.0	2.5	8.5	6.5	10.0	12.0	21.5	15.5	15.0	16.0	15.5	12.5	9.5	7.0	5.5	5.5	4.5	2.5	8.5	9.0
23	7.0	4.5	6.5	7.0	2.5	2.0	3.0	2.5	2.5	10.0	8.5	7.0	6.0	7.5	9.5	9.0	6.0	5.0	4.0	3.5	8.0	6.0	4.0	3.0	5.5
24	4.5	6.5	9.0	9.0	5.5	4.0	5.5	4.0	3.0	4.5	4.5	14.5	15.5	15.0	14.0	16.5	12.5	15.5	9.5	12.5	9.0	3.5	3.5	2.5	16.5
25	3.5	5.5	5.0	6.0	5.5	3.0	3.0	3.0	4.5	4.5	3.5	3.0	6.5	3.5	4.0	3.5	5.5	7.5	10.5	4.5	6.0	5.0	4.5	5.0	10.5
26	8.0	4.0	4.0	3.0	3.5	3.0	3.0	3.0	2.0	3.0	3.0	3.0	4.5	5.0	7.0	6.0	7.0	7.5	7.0	5.5	10.0	5.5	7.0	9.0	5.0
27	9.0	6.5	5.0	4.5	6.0	6.0	6.5	4.5	3.0	4.0	4.0	5.0	7.0	6.5	8.0	10.5	17.0	15.5	10.0	6.5	6.5	4.5	3.5	1.5	6.5
28	2.0	6.5	5.5	4.0	2.5	1.0	4.0	5.0	18.0	21.0	23.0	22.5	20.0	21.0	17.5	14.5	8.0	9.5	8.0	9.5	8.5	7.0	3.0	2.5	10.0
29	3.0	3.0	5.0	2.5	3.0	4.0	4.0	5.0	8.0	8.0	8.5	6.0	5.5	8.5	8.0	4.5	5.0	4.5	7.0	3.0	4.0	6.0	8.5	5.5	8.5
30	7.5	8.5	3.5	3.5	4.5	5.0	6.0	6.0	7.0	8.5	15.0	23.5	19.5	20.5	11.5	5.5	7.5	6.5	4.5	5.0	6.0	6.0	6.0	6.0	9.0
31	5.5	8.0	10.0	11.0	7.0	9.0	7.0	6.5	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	5.0	4.5	2.0	4.0	4.0	4.5	6.0
AV	7.0	7.0	6.5	6.5	6.5	5.5	5.5	5.5	4.5	5.5	7.5	9.5	11.5	11.5	12.0	11.5	10.5	9.0	7.5	7.0	6.5	6.5	6.0	6.0	8.0
SD	3.0	4.0	3.5	4.0	4.0	3.0	3.5	3.5	2.5	3.5	5.5	5.5	6.0	5.5	5.5	5.0	5.0	4.5	3.5	3.5	3.5	3.5	3.0	3.0	2.5

ABOUT (29 JAN 81)

WIND SPEED (C0115)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

APR. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6.5	5.0	4.0	4.5	3.5	7.5	6.5	5.5	7.0	5.5	5.0	5.0	4.5	6.0	5.5	5.5	5.5	5.5	7.0	10.0	15.5	18.0	16.0	11.5	7.5	18.0
2	12.5	4.5	7.0	8.5	7.5	6.5	8.0	4.5	4.5	4.5	7.0	9.5	9.0	7.0	9.5	9.5	6.0	6.0	7.0	7.0	4.5	8.5	9.5	9.0	7.5	12.5
3	9.5	4.5	9.5	7.5	8.5	6.0	7.5	6.5	6.0	4.0	4.0	4.5	4.5	6.5	6.5	6.0	5.0	4.0	5.0	5.0	4.0	4.5	3.5	3.5	6.0	9.5
4	3.5	1.5	3.0	3.5	4.5	4.0	6.5	3.5	2.5	4.0	4.5	5.5	5.0	6.0	4.5	8.0	7.5	7.5	6.0	9.0	10.0	10.5	6.0	6.0	5.5	10.5
5	6.0	7.5	6.0	4.5	3.5	4.5	3.0	5.0	4.0	3.5	4.0	8.5	12.0	18.5	18.0	17.0	15.0	10.5	15.5	9.5	15.5	6.0	7.0	7.5	9.0	18.5
6	6.0	12.5	16.0	15.0	9.5	10.5	6.0	4.5	7.0	7.5	8.0	20.0	18.5	21.5	24.5	26.5	24.5	24.0	19.5	7.5	3.5	10.5	11.0	5.0	13.5	28.5
7	4.5	16.0	11.0	6.5	10.0	18.0	21.5	20.0	20.5	24.0	26.0	22.0	17.5	17.0	22.5	22.0	21.0	21.0	18.0	12.5	4.0	4.0	5.5	8.0	16.0	26.0
8	7.5	7.0	5.5	5.0	5.0	3.5	2.0	4.0	4.5	4.5	5.5	5.5	6.5	10.0	9.5	10.0	5.5	3.5	4.5	6.0	9.5	4.0	2.5	4.5	5.5	10.0
9	7.5	7.0	5.5	5.5	5.5	5.5	3.0	3.0	2.5	5.0	5.5	7.5	10.0	16.5	16.5	16.5	17.0	17.0	12.0	6.0	7.5	2.5	3.5	5.5	7.5	17.0
10	2.5	5.5	3.5	4.0	4.0	3.5	15.5	21.0	16.5	10.0	14.5	21.0	24.0	25.0	27.0	25.0	25.5	24.0	21.5	19.5	17.0	8.0	18.5	8.0	15.0	21.0
11	5.5	3.5	3.0	2.0	2.0	3.0	6.0	2.5	3.5	7.5	12.5	20.0	19.0	22.0	22.0	21.0	22.5	21.5	18.0	14.5	12.5	15.0	16.5	13.5	12.0	22.5
12	11.5	6.0	3.0	5.5	5.5	4.5	5.0	3.0	3.0	6.0	8.0	8.5	9.5	10.0	12.5	16.0	17.0	16.5	17.5	17.0	13.5	12.0	10.0	8.5	9.5	16.5
13	6.0	4.0	5.0	4.5	5.5	6.0	4.0	3.0	5.0	4.0	5.5	5.0	4.5	6.5	5.5	5.5	4.5	3.5	2.5	2.5	9.0	9.0	9.5	6.5	5.5	9.5
14	5.5	6.5	5.0	6.0	5.5	6.0	5.0	3.0	3.5	8.0	4.5	4.5	6.0	5.5	7.0	7.0	4.5	4.0	2.5	5.5	11.0	5.5	8.0	8.0	5.5	11.0
15	8.0	6.0	7.0	6.0	6.0	6.5	4.5	4.5	3.0	7.0	5.5	6.0	12.0	11.5	15.5	15.5	17.0	23.0	21.5	21.0	20.0	14.5	5.5	6.5	10.5	23.0
16	6.0	10.5	11.0	8.0	6.5	5.5	10.0	5.0	4.0	4.0	5.0	6.5	7.0	9.0	10.0	8.0	6.0	7.0	6.5	5.0	7.0	9.0	6.0	7.0	7.0	11.0
17	7.5	7.5	8.0	7.0	7.0	4.5	6.0	4.0	3.0	3.5	5.0	5.0	5.0	7.0	6.0	6.5	4.5	5.0	7.0	5.0	8.5	7.0	10.5	8.0	6.0	10.5
18	6.5	5.5	7.0	9.0	7.5	5.0	5.0	2.5	2.5	3.0	4.5	6.0	6.5	9.0	10.0	11.5	11.5	11.5	11.0	9.5	6.5	5.5	7.5	7.5	7.0	11.5
19	6.0	6.0	15.5	5.0	5.5	21.0	5.0	3.0	2.5	3.5	4.5	5.0	6.5	8.5	9.0	12.5	6.0	18.5	11.0	9.5	12.5	5.5	7.5	8.5	6.0	21.0
20	6.0	5.5	8.0	7.0	5.5	6.0	4.0	2.0	3.5	3.5	5.5	7.0	10.5	12.0	16.0	16.0	15.5	14.0	10.5	10.5	12.5	14.0	11.0	11.5	9.0	14.0
21	12.5	13.5	13.0	13.0	14.5	12.5	13.0	13.0	15.5	18.0	14.0	11.0	9.5	9.5	11.0	7.0	8.0	9.0	9.0	6.0	6.0	6.5	2.5	2.0	10.5	18.0
22	4.5	6.0	4.5	2.0	3.5	3.5	6.5	4.5	3.0	4.0	6.0	7.0	8.5	12.0	17.5	15.5	18.0	16.0	17.0	16.0	5.5	10.5	11.5	6.5	6.5	18.0
23	6.0	5.0	6.0	6.0	5.5	7.0	9.0	9.0	7.0	7.0	5.5	12.0	18.0	10.0	11.0	15.5	14.0	9.5	4.5	3.5	5.5	6.0	9.5	6.5	6.0	18.0
24	6.0	4.0	5.0	4.5	3.5	4.5	5.0	3.0	4.0	5.5	5.5	9.5	9.0	10.0	4.0	8.0	12.0	14.0	11.5	11.0	8.5	10.5	10.0	5.0	7.0	18.0
25	9.0	6.5	11.0	5.5	5.5	7.0	4.5	5.5	6.0	6.0	8.5	9.0	11.5	12.0	4.0	16.0	16.0	14.0	13.0	11.5	13.0	10.5	11.0	12.5	10.0	16.0
26	8.0	5.0	4.5	6.0	7.5	6.0	3.5	3.0	3.5	7.5	7.5	6.0	6.0	7.0	6.5	7.0	7.0	7.5	7.0	5.5	3.5	7.5	7.0	7.0	6.5	8.0
27	6.5	10.5	10.5	7.0	6.5	7.0	4.0	3.0	4.0	3.5	5.5	4.5	6.0	6.5	7.5	7.5	6.0	5.5	7.0	5.5	8.0	4.0	2.5	5.5	6.0	10.5
28	4.0	6.0	6.5	6.5	5.5	5.0	3.0	4.0	4.5	5.5	6.5	10.0	10.0	15.5	14.0	11.5	5.5	3.5	3.5	4.5	6.5	10.5	5.0	5.0	6.5	15.5
29	7.5	6.5	7.5	6.0	4.0	6.0	3.5	3.0	3.5	5.0	12.0	12.0	12.0	14.0	11.5	16.0	17.5	10.0	10.5	11.0	9.0	6.5	9.0	4.5	6.5	17.5
30	7.5	8.0	4.0	4.5	4.5	2.0	2.5	3.0	2.5	2.0	4.0	9.0	8.5	7.0	6.5	6.5	4.5	4.0	7.5	11.0	7.5	7.0	5.5	4.5	5.5	11.0
AV	7.0	7.0	7.0	6.0	6.0	6.5	6.0	5.5	6.0	7.0	9.0	10.0	11.0	12.0	12.5	12.0	11.5	10.5	9.5	9.5	8.5	8.5	7.0	8.5	7.0	8.5
90	2.5	3.0	3.5	2.5	2.5	4.0	3.5	5.0	4.0	4.0	5.5	5.0	5.0	6.0	6.0	6.0	6.5	6.0	6.0	5.0	4.0	3.5	4.0	2.5	3.0	1.0

WIND SPEED (CCH15)
 MILES/HOUR
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAY, 1980
 AEROSVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	6.5	6.5	5.5	3.5	3.5	4.0	3.0	6.0	10.0	9.5	10.5	10.0	10.5	11.0	8.5	11.5	9.0	4.0	7.0	10.0	5.0	5.0	4.5	6.0	7.0	11.5	
2	4.0	3.5	4.5	5.5	3.0	3.5	3.0	3.5	3.5	4.0	4.0	5.5	13.5	11.0	10.5	15.0	6.0	6.0	7.5	5.5	5.0	7.5	7.5	5.5	6.5	15.0	
3	7.0	6.0	5.0	4.0	5.0	7.0	5.5	3.5	3.5	3.5	3.5	6.0	6.5	8.0	7.0	5.0	6.0	12.5	9.5	8.5	11.0	6.5	5.0	8.0	6.8	12.5	
4	4.5	7.5	5.5	5.0	4.5	4.5	6.0	4.0	3.0	3.5	5.0	4.5	5.5	7.5	13.5	13.0	10.0	11.0	13.0	9.0	6.5	9.5	10.5	12.0	7.5	13.5	
5	8.5	6.0	4.0	3.5	6.0	8.5	7.0	4.0	2.5	5.0	5.0	4.5	6.0	6.0	12.0	16.5	12.0	8.5	7.5	5.5	7.0	7.0	6.5	12.0	7.5	16.5	
6	5.5	5.0	7.5	8.5	7.0	5.0	4.0	3.5	3.0	4.0	4.0	5.0	7.0	11.0	12.0	13.0	9.5	9.5	9.0	6.5	3.5	7.0	5.0	2.5	6.5	13.0	
7	3.0	4.5	3.5	3.0	3.0	3.0	4.0	2.0	2.5	5.0	7.0	15.5	16.0	10.5	10.0	7.0	13.0	12.0	14.0	9.5	7.0	4.5	4.0	5.5	7.0	16.0	
8	5.0	2.5	1.5	2.5	2.5	2.5	3.0	3.0	3.0	3.5	5.0	7.0	6.0	6.5	4.5	5.0	8.5	11.0	14.5	19.0	14.5	9.0	16.5	7.5	7.0	19.0	
9	4.5	9.0	4.0	4.5	8.0	4.5	3.0	3.5	5.0	18.5	20.5	20.5	14.0	17.0	19.5	19.0	10.0	7.0	6.5	7.0	5.5	6.0	4.5	3.5	9.5	20.5	
10	3.0	3.5	4.5	3.0	4.5	6.5	3.5	3.0	3.5	17.5	14.5	12.5	21.5	21.0	21.5	25.5	23.5	19.0	20.0	10.5	8.0	5.0	6.5	6.5	11.0	25.5	
11	3.5	3.0	7.5	4.5	10.5	10.5	6.0	4.0	4.5	4.0	5.0	5.0	5.5	6.5	11.0	17.0	7.5	6.0	7.0	3.5	3.5	14.5	10.5	4.0	7.0	11.0	
12	8.0	10.5	4.5	3.0	3.5	4.5	8.0	7.0	14.0	13.0	13.5	13.0	15.0	12.5	10.5	13.0	13.0	10.5	6.5	7.0	3.0	4.0	2.0	2.5	8.5	15.0	
13	2.0	3.5	4.0	6.0	6.0	5.5	4.0	5.5	5.0	5.0	5.5	7.0	5.5	6.5	5.0	4.5	17.0	11.5	7.5	7.5	9.5	10.5	6.5	6.0	6.5	17.0	
14	7.0	9.0	8.0	7.0	4.5	5.0	5.5	2.5	3.0	4.0	4.0	3.5	4.5	4.0	10.5	12.0	12.0	16.5	12.0	8.5	10.0	6.0	6.5	4.5	7.0	14.5	
15	5.0	5.0	8.5	9.0	5.5	4.5	3.0	4.0	3.5	3.5	4.0	5.5	6.5	8.0	6.0	5.0	6.5	4.0	2.5	11.0	8.0	5.0	6.5	10.0	6.0	11.0	
16	5.5	4.5	4.5	7.0	4.0	6.0	4.0	2.0	3.0	7.5	5.5	5.5	10.5	11.5	10.5	8.5	10.0	15.0	13.0	17.0	5.5	5.5	9.0	8.5	7.5	17.0	
17	10.5	11.0	6.5	15.0	13.0	10.0	5.0	13.0	10.0	4.5	3.5	4.0	4.5	7.0	4.0	4.0	4.0	4.5	3.0	4.0	4.0	3.5	3.5	4.5	9.0	15.0	
18	8.0	6.0	6.0	5.5	5.5	5.0	5.0	3.5	3.0	4.0	5.0	5.5	6.5	5.5	4.5	3.5	4.0	4.0	4.0	5.0	4.0	10.0	10.5	7.5	6.5	15.0	
19	6.5	9.5	5.5	7.0	8.0	6.5	5.0	3.5	3.5	5.0	5.5	6.0	6.0	7.5	6.5	6.0	8.5	5.5	6.0	5.0	5.0	6.5	9.5	10.0	6.5	10.0	
20	5.0	8.0	7.5	6.5	7.5	6.0	5.5	4.0	2.0	3.5	4.0	5.5	5.0	5.5	4.5	7.0	6.5	6.5	4.0	5.5	5.0	7.0	9.5	10.0	6.0	10.0	
21	7.0	6.5	5.5	7.5	8.0	5.0	4.5	3.0	3.0	3.5	4.0	3.5	4.5	6.0	5.0	5.5	3.5	3.5	4.0	5.0	7.5	10.5	11.5	9.5	6.0	11.5	
22	5.5	6.0	6.0	4.0	4.0	5.5	4.0	3.0	4.0	3.0	4.5	5.5	7.5	15.0	13.5	14.5	14.0	18.0	18.5	12.5	14.0	5.5	11.0	13.5	9.0	18.5	
23	13.0	3.5	8.0	10.5	13.0	14.0	20.0	17.5	21.5	20.5	20.0	21.0	16.5	17.5	20.0	19.0	20.5	21.5	13.0	7.0	6.0	6.0	12.0	15.0	15.0	21.5	
24	16.0	16.0	17.0	17.0	15.5	12.5	10.0	26.5	23.5	24.5	27.0	23.5	22.5	23.5	20.5	18.0	21.0	13.5	14.5	22.0	20.0	18.0	14.0	13.5	19.0	21.0	
25	10.0	11.5	14.5	9.0	4.0	10.0	13.5	14.5	16.0	16.5	17.0	14.0	19.5	18.5	17.0	17.0	10.5	10.0	7.5	7.5	7.0	7.5	5.0	4.0	12.0	19.5	
26	4.5	5.0	6.0	5.5	5.0	5.0	4.5	5.5	4.5	5.0	5.0	7.0	14.0	15.0	13.5	13.5	17.0	17.0	16.0	6.5	6.0	5.5	9.0	6.5	8.0	17.0	
27	8.5	7.0	6.5	7.5	4.0	3.0	2.0	3.0	10.0	20.0	19.5	19.0	19.0	18.0	18.0	17.0	18.0	17.0	16.0	11.0	8.5	7.5	8.5	7.0	11.5	20.0	
28	6.0	5.5	5.0	5.5	6.5	5.0	3.5	3.5	17.5	20.0	17.0	16.5	16.5	16.5	19.0	19.5	18.5	16.5	10.0	5.5	6.0	9.5	10.5	11.5	20.0		
29	13.5	13.0	7.5	5.0	8.0	5.5	8.0	14.0	5.0	4.5	10.5	10.0	13.0	13.5	14.0	11.5	9.5	11.0	10.0	11.5	10.0	12.0	9.5	4.5	10.0	10.0	
30	5.5	5.5	6.5	6.0	5.5	5.0	3.0	3.0	4.0	4.5	4.0	5.0	9.0	9.0	13.0	14.0	14.0	13.0	17.0	15.0	10.0	8.0	10.0	9.0	8.5	17.0	
31	9.0	6.5	8.0	7.0	5.5	6.0	6.5	15.0	9.0	6.5	6.0	10.0	9.5	7.5	6.0	11.5	14.5	15.0	11.0	11.5	6.5	5.5	13.0	4.0	9.0	15.0	
AV	7.0	7.0	6.5	6.5	6.0	6.0	5.5	6.5	6.5	8.5	8.5	9.5	10.5	11.0	11.5	12.0	12.0	11.0	10.5	9.5	7.5	7.5	8.5	7.5	8.5	11.0	
SD	3.0	3.0	3.0	3.0	3.0	2.5	3.5	6.0	5.5	6.5	6.5	6.0	5.5	5.0	5.0	5.5	5.0	5.0	5.0	4.0	3.5	3.0	3.0	3.0	3.0	3.0	11.0

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 6

JUN, 1980

AERODIVISION INC.

WIND SPEED (CCHS)

MILES/HOUR

LEVEL HEIGHT 10 METERS

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	7.5	6.0	6.5	7.5	8.5	6.5	4.5	4.5	4.5	6.0	7.0	10.5	12.0	6.5	14.0	13.5	9.0	8.0	15.5	10.5	7.0	6.0	8.5	10.5	8.5	15.5
2	9.0	8.0	5.5	5.0	4.5	4.0	3.5	4.0	14.5	18.5	15.5	15.5	17.5	18.0	19.5	18.5	20.5	21.0	19.0	17.0	8.0	9.5	10.5	12.0	12.5	21.0
3	11.5	13.5	13.0	7.5	10.5	10.0	9.5	13.0	21.0	19.5	19.0	22.0	20.5	21.5	20.5	18.0	20.5	18.0	20.0	16.0	13.0	9.5	11.0	13.0	14.0	15.5
4	12.0	13.0	15.0	12.0	11.5	9.5	2.5	5.0	18.0	21.5	22.0	20.0	20.0	21.0	21.0	20.5	19.0	20.0	16.0	13.0	11.5	12.5	12.0	9.5	15.5	22.0
5	11.0	7.0	7.0	9.5	10.0	9.0	6.0	4.0	4.5	7.0	15.5	18.5	20.0	17.0	19.5	20.5	21.0	19.5	17.0	14.0	13.5	10.5	10.0	9.5	13.0	21.0
6	6.5	3.5	7.0	7.5	3.5	4.0	17.0	17.5	17.0	21.0	22.5	21.5	21.5	20.5	20.0	21.0	20.0	23.0	21.5	17.5	10.5	7.0	6.0	5.0	14.5	23.0
7	4.5	6.5	7.5	7.5	7.5	4.5	2.0	5.0	5.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	9.0	7.0	10.0	8.0	5.0	6.0	8.5	9.0	7.0	10.0
8	8.0	7.5	5.5	7.0	7.0	7.5	6.5	3.0	3.5	5.0	5.0	5.0	5.0	8.5	7.5	9.0	9.5	9.5	11.5	8.5	5.0	5.5	6.5	9.0	7.0	11.5
9	6.5	7.5	6.5	7.5	8.0	6.0	4.5	3.0	4.5	4.5	4.5	5.0	6.0	7.5	9.5	8.0	9.0	6.5	9.0	8.5	5.5	7.0	11.0	13.0	7.0	13.0
10	9.0	8.5	5.5	9.5	8.0	6.0	4.5	2.5	4.0	5.0	5.5	6.5	11.5	17.0	16.5	15.0	14.0	16.0	13.5	12.5	12.5	10.0	5.0	2.5	9.0	17.0
11	6.5	5.5	4.0	3.5	6.5	5.0	4.0	3.5	4.5	10.5	19.0	22.0	21.0	19.5	20.5	20.5	17.0	17.0	17.5	14.0	14.5	17.5	16.5	16.0	13.0	22.0
12	9.5	7.0	4.0	6.5	8.0	4.0	7.0	10.0	15.0	18.5	19.0	18.0	18.0	20.5	19.0	19.5	19.0	20.0	16.0	15.0	11.5	3.5	5.5	13.0	20.5	
13	7.0	6.5	7.0	6.5	6.5	6.5	5.5	2.5	3.5	6.0	17.0	19.5	20.5	18.0	19.5	17.0	19.5	18.0	16.5	16.5	17.0	10.5	7.5	12.0	20.5	
14	6.5	10.5	3.5	4.5	6.5	4.5	2.5	2.5	7.0	10.5	19.5	19.0	20.5	20.0	20.0	20.5	17.5	18.5	19.5	19.5	21.0	16.5	13.5	10.5	13.0	21.0
15	7.5	7.5	6.5	6.0	6.0	4.5	6.5	3.5	7.5	9.0	10.5	11.0	11.0	11.0	14.5	16.5	13.5	12.0	11.5	11.5	7.5	11.0	5.0	4.0	6.5	16.5
16	7.5	4.5	3.5	3.5	6.5	6.5	6.0	4.0	4.5	4.0	7.0	8.5	6.5	7.0	8.0	8.5	5.5	7.0	5.5	4.0	6.5	10.5	8.5	9.5	6.5	16.5
17	6.0	7.0	6.5	6.0	5.5	7.0	4.0	2.5	3.5	4.5	4.5	5.0	5.5	6.0	8.5	10.0	8.0	5.0	1.5	1.5	7.0	7.0	7.5	10.0	6.0	10.0
18	7.5	5.0	5.0	6.5	5.5	6.5	4.0	3.0	4.5	7.0	10.5	9.0	6.0	6.0	7.0	10.0	10.5	9.5	12.5	7.0	7.5	14.0	6.0	11.0	7.5	14.0
19	8.0	6.5	5.0	7.5	7.5	6.5	6.5	3.0	4.5	6.0	5.0	7.5	9.5	18.0	21.0	19.5	11.5	7.5	6.0	3.5	7.5	8.0	8.5	9.5	6.5	21.0
20	7.5	7.0	7.5	6.0	6.5	7.5	4.0	2.5	3.5	4.5	6.0	7.0	6.5	11.0	14.0	13.5	14.5	10.0	12.5	15.0	12.0	11.0	10.5	4.5	9.5	15.0
21	6.0	4.5	6.5	7.0	8.0	5.5	5.5	4.0	4.5	6.0	8.5	7.5	13.5	17.0	16.0	17.0	17.0	17.5	12.0	8.0	6.0	7.0	8.5	4.5	9.0	17.5
22	6.5	6.5	5.5	4.5	5.5	6.5	4.5	4.0	4.0	4.0	5.5	6.5	9.5	7.0	14.0	14.0	13.0	13.0	11.5	12.0	10.5	12.0	6.5	6.0	8.0	14.0
23	10.0	9.5	17.0	10.0	11.5	13.0	9.5	14.5	21.5	23.0	20.5	21.5	20.5	21.5	24.0	24.5	21.5	21.0	20.5	15.5	12.0	10.5	5.0	6.5	16.0	24.5
24	6.0	9.0	8.5	7.0	6.5	6.5	4.0	2.5	4.0	3.0	6.0	14.5	17.5	15.5	14.5	16.0	15.0	16.5	16.5	11.5	17.0	10.0	9.5	13.0	10.5	17.5
25	9.5	5.5	6.5	4.0	6.5	4.0	3.0	2.5	3.0	4.0	9.5	17.0	17.5	16.5	17.0	17.5	18.5	19.5	18.5	17.0	17.0	8.5	11.0	11.0	13.0	19.5
26	7.0	8.0	7.0	4.5	4.0	6.0	4.0	4.0	4.5	19.0	20.5	20.5	19.5	20.0	21.0	20.0	18.5	19.5	18.0	17.0	14.0	15.5	13.0	4.0	13.0	21.0
27	11.0	14.0	15.0	9.5	9.5	10.5	15.0	9.5	6.0	6.5	7.5	9.5	15.0	16.0	16.5	18.0	19.5	19.0	19.0	15.0	9.5	4.5	2.5	6.0	12.0	19.5
28	6.5	10.5	8.0	6.0	5.5	7.5	4.0	4.5	6.5	3.5	5.5	6.0	8.0	8.5	9.5	8.5	8.5	6.0	4.5	3.0	5.0	5.5	2.5	6.0	6.5	10.5
29	7.0	6.0	5.5	6.0	7.0	7.5	6.0	5.5	6.0	5.0	6.5	11.0	13.0	10.5	9.5	9.0	14.0	21.5	9.0	5.5	13.0	7.0	8.0	4.0	6.5	21.5
30	6.0	6.0	3.5	3.0	3.5	4.0	5.0	5.0	12.0	11.0	17.0	16.5	14.5	8.5	6.0	6.5	8.0	6.0	6.0	5.0	11.5	11.0	12.5	8.0	6.5	17.0
AV	8.0	7.5	7.5	6.5	7.0	7.0	6.0	5.0	7.5	9.0	11.5	13.0	14.0	14.5	15.0	14.5	14.5	14.0	11.5	10.5	10.5	10.0	8.5	8.5	10.5	11.0
SD	2.0	2.5	3.5	2.0	2.0	2.0	3.5	4.0	5.5	6.5	6.5	6.0	5.5	5.5	5.5	5.0	4.5	5.5	5.0	4.0	4.0	3.0	3.5	3.0	3.0	3.0

WIND SPEED (CC115)
 MILES/HOUR
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE A
 JUL. 1960
 AEROSOL ENVIRONMENT INC.

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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	5.5	7.0	5.0	7.0	5.0	4.0	5.5	4.0	7.5	4.5	9.0	4.0	6.0	10.5	17.0	7.0	11.0	11.5	13.0	8.0	10.5	10.5	6.5	4.0	7.5	17.0
2	4.0	3.5	3.0	4.5	5.5	6.5	3.0	3.5	3.5	3.0	4.0	5.0	4.0	9.0	4.5	6.0	5.5	3.5	8.0	11.0	10.5	10.5	8.5	6.5	6.0	11.0	
3	7.0	5.5	5.0	6.5	5.0	3.5	3.0	2.5	4.5	5.0	5.5	6.5	7.5	6.0	6.0	14.0	10.5	11.0	11.0	7.5	6.5	7.0	4.5	6.0	6.5	14.0	
4	6.5	5.5	14.5	21.5	17.0	13.5	16.0	8.5	5.5	5.0	9.0	5.5	11.0	9.0	5.5	6.5	6.5	7.5	7.5	11.0	10.5	4.0	8.5	9.5	21.5	10.0	
5	8.5	6.0	5.0	5.5	7.0	7.0	4.5	3.5	4.5	5.5	8.0	8.5	9.5	17.0	18.5	17.5	17.0	16.0	12.5	8.5	12.5	16.0	12.0	6.5	10.0	18.5	
6	4.0	5.5	5.0	7.5	8.0	11.0	4.5	3.0	3.5	4.5	6.0	5.5	6.0	10.0	14.5	14.0	15.5	20.5	13.5	9.5	6.5	8.0	4.0	8.5	8.5	20.5	
7	9.0	8.5	12.0	8.5	8.0	5.5	3.0	2.5	2.5	3.0	8.0	20.0	22.5	15.5	12.0	16.5	17.0	13.0	9.5	9.5	4.0	2.0	14.0	9.5	22.5	10.0	
8	12.0	12.5	8.5	5.5	3.5	2.5	3.5	5.5	10.5	12.0	11.5	9.5	12.0	13.0	16.0	16.5	17.0	22.5	4.5	9.5	6.0	4.5	4.5	10.0	22.5	10.0	
9	5.5	7.5	9.0	6.5	4.5	4.5	3.5	3.5	4.5	5.5	6.5	9.0	7.0	6.0	6.0	8.0	7.5	7.0	7.0	7.0	7.5	10.0	4.0	5.5	6.5	10.0	
10	7.0	9.5	8.0	7.5	5.0	6.0	5.5	3.5	3.5	3.5	5.5	8.5	10.0	15.5	15.5	12.5	14.5	17.0	17.0	13.0	7.0	5.5	4.0	4.0	8.5	17.0	
11	4.0	6.0	7.5	9.0	6.5	5.0	4.0	3.0	4.5	4.0	5.5	7.0	7.0	16.0	14.5	9.0	6.5	5.5	3.5	4.0	4.0	9.5	11.5	7.0	16.0	16.0	
12	12.5	4.0	4.0	6.0	6.0	4.0	9.0	11.5	10.5	10.0	14.0	4.5	17.0	18.0	14.5	17.5	9.5	5.0	3.0	12.5	13.5	11.5	5.5	9.5	14.0	9.5	
13	3.0	3.0	6.0	4.0	2.5	11.0	10.0	4.0	8.5	15.0	8.5	5.5	9.5	17.0	22.0	12.5	15.0	13.0	8.0	11.5	7.5	11.5	8.5	5.5	9.5	22.0	
14	2.5	4.5	4.5	5.0	3.5	5.0	4.5	3.5	8.0	11.5	9.0	11.0	14.0	17.5	19.5	20.0	16.0	15.0	16.0	12.0	11.0	7.0	8.0	4.0	9.5	20.0	
15	8.0	6.0	4.5	3.5	5.5	5.5	2.0	3.0	5.0	8.5	11.0	12.0	11.5	14.5	14.5	16.5	15.0	13.5	15.0	10.5	10.5	5.5	5.5	12.0	9.0	16.5	
16	8.5	7.5	7.5	7.0	9.0	6.5	5.0	3.5	4.5	6.0	5.5	7.0	5.5	11.0	9.0	9.0	5.0	3.5	3.0	6.0	9.5	11.0	6.5	11.0	6.5	17.0	
17	10.0	7.5	6.0	8.0	9.5	8.0	4.0	3.5	3.0	5.5	7.0	9.0	10.5	9.0	13.0	17.0	17.5	14.0	12.0	9.5	3.0	6.0	7.0	7.0	11.0	17.0	
18	7.5	5.0	2.5	3.5	4.5	5.5	5.0	4.5	3.5	3.0	4.5	6.5	9.0	11.5	8.5	13.0	13.0	10.0	11.0	7.0	10.5	11.0	5.5	6.5	7.0	13.0	
19	5.0	3.5	2.5	5.5	4.5	3.0	3.5	4.0	5.0	10.5	12.5	11.0	15.0	15.0	17.0	16.0	14.5	13.0	14.5	16.0	14.0	9.5	6.5	3.5	9.0	17.0	
20	7.5	7.0	7.5	7.5	6.0	6.0	4.5	2.5	5.0	4.5	6.0	7.0	9.5	13.0	13.0	10.5	8.0	7.0	8.0	5.0	5.5	4.5	6.5	6.5	7.0	13.0	
21	9.5	9.0	9.0	8.0	7.0	6.5	2.0	4.0	6.5	6.0	4.5	7.0	7.5	8.5	12.0	11.5	11.0	10.0	7.5	2.0	4.0	4.0	9.0	9.0	7.5	12.0	
22	7.5	13.0	6.5	9.5	5.0	4.5	3.5	3.0	4.0	6.0	6.5	9.0	14.0	12.5	13.0	13.5	14.5	12.5	11.5	7.5	7.5	3.5	5.0	6.0	4.5	14.5	
23	9.0	8.5	7.5	3.0	4.0	6.5	5.5	3.0	2.5	4.5	4.5	8.5	6.0	10.0	17.0	22.0	9.5	8.5	17.5	4.5	5.0	8.5	6.5	5.0	7.5	22.0	
24	6.5	7.0	7.0	5.5	6.5	5.0	5.5	4.0	5.0	6.0	6.5	8.0	10.5	14.5	10.0	6.0	14.0	18.5	20.5	19.5	6.5	5.0	5.0	5.0	8.5	20.5	
25	5.5	6.5	8.0	7.5	6.0	6.5	5.0	3.5	5.0	5.5	4.5	6.5	8.5	10.5	12.0	9.0	9.0	4.5	7.0	8.5	9.5	12.0	12.5	6.5	7.5	12.5	
26	6.0	6.5	9.5	8.5	5.0	7.0	6.0	3.5	4.0	4.5	4.5	8.0	10.5	13.5	13.0	11.0	14.0	7.5	11.5	9.0	5.0	6.5	8.0	4.0	14.0	14.0	
27	9.0	9.0	8.0	7.0	6.0	6.0	5.0	4.0	2.5	3.5	4.5	6.0	7.0	7.5	8.0	6.5	12.0	8.5	3.5	6.5	4.5	9.5	9.5	10.0	7.0	12.0	
28	9.0	6.5	9.0	8.5	8.0	9.0	7.0	4.5	4.0	6.0	6.0	6.0	10.5	11.5	10.0	8.5	6.5	6.0	3.5	7.0	10.0	9.5	6.5	7.5	11.5	11.5	
29	4.5	5.0	6.0	6.0	8.0	6.0	4.5	4.0	4.5	4.0	6.5	9.0	11.0	18.0	20.0	9.0	15.5	10.5	9.5	3.5	6.5	9.0	6.0	7.0	8.0	20.0	
30	8.0	4.5	3.5	8.0	6.0	4.5	4.0	4.0	6.0	6.0	7.5	8.0	11.0	10.5	12.0	11.0	11.5	10.5	6.0	5.0	7.0	10.0	10.5	7.5	12.0	12.0	
31	8.5	7.5	8.0	10.5	6.5	7.0	6.0	4.0	3.5	4.5	6.5	6.0	6.5	4.0	6.5	7.5	8.5	14.0	13.0	12.0	7.0	3.0	4.5	9.0	7.5	14.0	
AV	7.0	6.5	7.0	7.0	6.5	6.5	5.0	4.0	4.5	6.0	6.5	7.5	9.0	11.5	13.0	12.5	12.0	11.5	10.5	8.5	8.5	8.0	7.0	7.0	4.0	11.0	
SD	2.5	2.5	2.5	3.0	2.5	2.5	2.5	1.5	2.0	3.0	2.0	2.5	3.0	4.0	4.5	4.0	3.5	4.5	4.5	3.5	3.5	3.0	2.5	2.5	1.0	1.0	

ABOUT (29 JAN 61)

WIND SPEED (C(15))
 MILES/HOUR
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 AUG. 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.0	6.0	7.5	8.0	7.0	6.5	6.0	4.0	4.0	3.5	4.0	6.5	10.5	7.5	10.5	13.5	14.5	19.5	7.5	7.5	13.0	7.0	4.0	4.0	5.5	4.0	19.5
2	6.5	6.0	4.5	5.5	9.0	8.0	5.5	3.0	5.0	5.5	5.0	7.0	11.0	16.0	12.0	7.5	12.5	15.0	16.5	11.0	7.0	3.0	4.0	4.5	11.0	8.0	16.5
3	7.0	4.5	11.0	6.0	6.5	11.0	8.0	2.0	2.5	3.0	6.0	12.0	17.5	16.0	17.0	16.0	17.0	17.0	16.5	18.5	15.5	17.0	6.5	8.5	11.0	18.5	
4	6.5	6.0	5.0	8.0	5.5	3.5	5.0	3.5	6.0	9.5	12.0	12.0	11.5	12.5	12.0	13.0	13.0	17.0	17.0	16.0	9.0	4.0	10.5	11.5	9.5	17.0	
5	10.0	10.0	7.0	6.0	5.0	6.5	5.0	3.0	3.0	5.0	6.5	8.5	9.5	8.0	7.0	10.0	16.5	15.5	14.5	10.5	10.0	9.0	5.0	10.0	7.5	4.5	16.5
6	3.5	4.5	6.0	3.5	6.0	4.0	6.0	3.0	4.5	10.0	8.5	9.5	10.5	17.5	17.0	16.5	13.5	14.0	12.0	9.5	10.0	11.5	9.0	4.0	9.0	17.5	
7	4.0	6.0	8.5	9.5	6.0	5.0	5.5	2.5	4.5	5.0	8.0	9.0	7.0	8.5	6.5	6.0	7.5	6.0	5.5	6.5	5.5	10.5	5.5	6.5	6.5	10.5	
8	9.5	8.5	6.5	7.5	8.0	7.0	5.0	4.0	4.0	4.0	5.5	8.0	11.0	13.0	17.5	16.5	13.5	7.0	7.5	4.0	5.5	7.5	11.0	4.0	4.5	17.5	
9	9.0	13.5	6.0	5.0	4.5	3.5	3.5	9.0	12.0	12.5	13.0	11.0	11.0	12.0	14.0	17.0	17.0	13.0	10.0	6.0	4.0	5.5	4.0	6.0	9.5	17.0	
10	10.5	5.5	8.5	7.0	6.5	7.0	8.0	4.5	3.5	3.5	4.0	6.5	15.5	16.5	17.0	17.0	16.0	16.0	15.5	15.0	13.5	5.0	8.0	8.5	10.0	17.0	
11	6.0	4.5	8.0	8.5	7.0	5.5	5.5	3.5	4.0	4.0	4.5	4.5	8.0	6.0	6.5	7.0	7.5	5.0	4.5	6.5	7.5	13.5	12.0	12.0	7.0	13.5	
12	6.5	7.5	8.0	7.0	5.5	6.0	5.5	4.5	4.0	11.5	10.5	10.5	12.5	13.5	9.5	8.0	14.5	10.5	9.5	8.5	12.5	15.5	12.5	5.0	9.0	15.5	
13	3.0	5.0	4.0	6.5	2.5	7.0	6.0	2.5	2.5	4.0	6.5	7.0	9.5	8.0	15.5	17.0	15.5	15.5	11.5	6.5	9.0	14.5	7.5	5.5	8.0	17.0	
14	3.5	4.5	4.0	1.5	4.0	5.0	5.5	3.5	3.5	5.5	6.0	8.0	6.5	7.0	12.0	11.0	10.5	10.0	14.5	17.5	9.5	5.0	6.0	3.5	7.0	17.5	
15	6.0	5.0	10.5	10.5	11.0	7.0	6.0	2.0	3.0	3.5	8.0	7.0	14.5	15.0	20.5	19.0	16.5	17.0	6.0	10.0	14.5	8.0	8.0	6.0	10.0	20.5	
16	6.0	6.5	6.0	6.5	9.0	5.5	7.5	7.0	4.5	5.0	8.5	9.0	9.5	9.0	11.5	10.5	10.0	6.0	6.0	6.5	12.5	8.5	7.5	5.5	7.5	17.5	
17	8.0	8.5	11.0	8.5	7.0	6.0	4.5	3.0	3.0	4.0	5.0	4.5	4.5	7.0	10.0	7.5	7.5	6.0	7.0	9.0	6.5	6.0	6.5	9.0	6.5	11.0	
18	6.0	5.5	6.0	5.0	3.0	4.0	3.5	4.0	4.5	9.5	17.0	16.0	20.5	20.0	22.0	22.0	22.5	21.0	18.0	16.5	14.0	12.5	11.0	11.0	12.5	22.5	
19	10.5	12.0	13.5	12.0	11.5	12.5	13.5	17.0	20.5	22.0	19.0	21.5	19.0	19.0	24.0	17.0	9.5	23.0	11.0	6.5	8.5	9.0	5.5	5.0	18.5	24.0	
20	3.0	6.0	7.5	11.0	10.0	10.5	10.5	7.5	4.5	7.0	6.0	8.5	9.0	10.0	7.0	5.5	4.5	4.5	4.5	5.0	6.5	6.0	5.5	8.0	7.0	11.0	
21	10.0	8.0	6.0	6.5	6.5	7.0	6.5	3.5	4.0	4.5	6.0	5.5	6.0	8.0	9.0	8.5	6.5	4.5	5.5	5.5	7.5	10.0	10.0	7.5	7.0	10.0	
22	6.5	6.0	6.5	8.0	8.0	6.5	4.0	2.5	2.5	4.0	4.5	4.5	13.0	17.0	20.5	18.0	18.5	18.0	18.0	13.0	9.5	10.5	7.0	4.0	9.5	20.5	
23	10.0	7.5	6.0	6.0	4.5	4.0	3.0	3.5	9.5	13.0	17.0	13.0	14.5	13.0	15.5	14.0	5.5	12.0	13.0	10.0	11.5	15.5	7.5	8.0	10.0	17.0	
24	4.0	2.5	4.0	3.0	4.0	3.5	4.0	1.5	2.5	4.5	6.5	7.5	8.5	5.5	4.0	10.0	10.0	9.5	13.0	9.5	6.5	6.0	14.0	14.0	7.0	14.0	
25	4.5	4.0	6.5	9.5	6.5	5.0	4.5	4.0	3.5	3.5	4.0	14.0	9.5	9.5	7.5	9.5	11.5	5.0	3.5	2.5	5.5	6.0	5.5	4.5	6.5	14.0	
26	4.0	5.0	7.0	5.0	6.0	6.0	5.0	5.0	3.5	3.0	3.5	4.0	5.0	6.0	9.5	16.0	10.5	12.0	5.0	6.0	6.5	6.5	8.5	7.5	6.5	14.0	
27	5.5	7.0	7.0	6.0	7.5	6.0	5.5	3.5	3.5	4.0	5.0	4.5	5.0	4.0	10.5	16.5	16.0	13.5	7.5	9.0	6.0	3.5	4.5	4.0	7.0	14.5	
28	4.5	4.5	2.5	3.5	3.5	4.0	4.5	5.0	5.0	4.0	3.5	10.0	19.0	21.0	19.5	20.5	19.0	17.0	15.0	14.0	14.0	15.0	15.5	15.0	11.0	21.0	
29	13.0	12.5	13.5	13.5	8.0	2.5	2.5	3.5	7.5	13.0	12.0	14.0	17.0	19.5	17.0	16.5	16.0	13.5	9.0	10.0	4.5	2.5	2.5	10.5	19.5	10.5	19.5
30	4.5	3.0	4.0	4.5	4.0	4.5	6.5	6.5	4.0	3.5	3.5	4.5	8.5	6.5	10.5	19.5	18.0	17.0	21.0	12.0	5.5	3.5	5.5	5.5	4.0	21.0	
31	5.5	9.5	6.5	7.0	7.5	4.0	7.5	5.0	2.0	4.0	3.5	3.5	6.5	11.5	12.5	16.0	11.5	9.0	6.0	6.5	9.0	7.5	5.5	6.5	7.5	16.0	
AV	6.5	6.5	7.0	7.0	6.5	6.0	6.0	4.5	4.5	6.0	7.5	6.5	11.0	11.5	13.0	13.5	13.0	12.5	11.0	9.5	9.0	6.0	6.0	7.5	4.5	11.0	
SD	2.5	2.5	2.5	2.5	2.0	2.0	2.0	3.0	3.5	4.0	4.0	4.0	4.5	5.0	5.0	4.5	4.5	5.0	5.0	4.0	3.0	4.0	3.0	3.0	2.0	1.0	

WIND SPEED (CROSS)
MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #
SEP. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9.0	7.0	7.5	9.0	7.0	6.0	8.5	4.5	3.5	3.5	4.5	6.5	6.5	8.5	5.5	5.5	5.0	4.0	2.5	4.5	5.5	4.5	6.5	6.5	6.0	9.0
2	6.5	8.0	7.5	6.5	5.0	7.5	5.5	3.0	4.0	4.0	4.5	7.0	8.5	10.5	15.0	18.5	17.5	17.0	11.0	9.5	10.0	9.5	8.5	4.0	8.5	18.5
3	3.0	3.5	3.5	3.0	3.0	7.5	5.5	3.0	2.5	5.5	7.5	8.0	8.5	9.0	12.0	17.0	13.5	12.5	12.0	11.0	7.0	8.0	12.5	7.5	4.0	17.0
4	8.5	8.0	8.5	8.5	6.5	6.5	6.5	6.0	3.5	4.0	4.5	3.5	4.5	7.0	10.0	9.0	6.5	4.0	2.5	6.0	10.5	8.0	8.0	6.0	6.5	10.5
5	6.5	7.5	7.5	7.5	8.0	5.5	7.0	4.5	2.5	4.5	4.0	4.5	4.5	4.5	6.0	7.5	6.5	7.5	8.0	5.0	9.0	11.0	7.5	3.5	6.5	11.0
6	4.5	5.0	3.5	5.0	5.0	7.5	6.0	4.5	5.5	11.0	10.5	9.0	8.5	10.0	12.0	16.5	10.0	8.5	5.5	10.0	7.0	5.0	9.5	7.5	7.5	16.5
7	9.5	6.5	4.0	3.0	4.0	5.5	5.5	2.5	3.0	9.0	6.0	4.5	3.0	4.5	3.5	4.5	11.0	6.0	5.5	3.0	5.0	4.5	4.5	4.5	5.0	11.0
8	6.5	8.0	6.0	6.5	7.5	2.5	2.0	3.5	11.0	8.0	5.5	3.5	3.5	4.0	4.0	2.5	4.5	3.5	7.0	4.0	1.0	3.5	5.5	6.0	5.0	11.0
9	3.0	1.0	4.0	4.5	4.0	2.5	4.0	2.5	5.0	6.5	6.0	5.5	7.0	11.5	11.0	7.5	5.5	5.0	5.0	9.5	5.0	3.5	3.5	2.5	5.5	11.5
10	7.0	4.5	6.5	5.0	5.0	4.5	4.0	1.5	4.5	2.5	16.5	6.0	6.0	4.0	7.5	4.5	3.0	9.0	9.5	10.5	5.0	5.0	5.0	10.0	5.5	16.5
11	7.0	4.5	6.5	7.5	6.0	7.0	4.0	4.0	19.0	18.0	17.0	18.0	19.5	16.5	17.5	15.5	7.0	4.5	8.0	7.0	7.5	8.0	7.5	9.5	19.5	16.5
12	6.5	7.5	7.0	5.5	4.5	4.0	3.5	5.0	4.0	7.5	6.0	5.0	6.5	6.5	5.5	5.5	9.0	6.5	3.5	11.5	7.0	6.5	9.0	6.0	6.5	11.5
13	5.0	6.5	6.0	3.0	4.0	5.0	4.5	2.5	2.0	4.0	4.0	13.5	20.0	18.5	18.0	19.0	18.0	14.5	12.0	7.5	9.0	11.5	11.5	10.5	9.5	20.0
14	9.0	7.0	8.5	7.5	6.0	4.5	6.5	5.0	4.5	6.0	15.0	14.0	11.0	9.0	10.5	10.0	6.5	5.0	2.5	8.5	8.0	5.0	6.0	6.0	7.5	15.0
15	6.5	5.5	4.5	6.0	6.0	6.0	6.0	4.0	4.5	4.5	5.0	6.0	8.5	12.0	14.5	14.5	11.5	12.0	10.5	10.5	6.5	7.5	4.0	2.0	7.5	14.5
16	5.0	3.0	2.5	3.0	6.5	6.5	6.5	5.0	4.5	9.0	19.5	20.5	20.0	17.0	18.0	18.5	17.0	17.5	19.5	18.0	15.0	8.0	10.0	7.5	11.5	20.5
17	9.5	9.5	7.5	8.5	7.5	8.5	10.5	6.0	4.0	5.0	8.5	10.5	11.0	12.5	10.0	8.0	6.5	11.5	4.5	3.5	8.0	12.5	10.5	8.0	10.0	19.5
18	8.5	7.0	9.0	6.0	6.0	5.5	5.5	3.5	3.0	3.5	4.5	4.5	9.5	10.0	19.5	19.0	17.5	14.5	12.5	9.5	14.5	19.5	18.0	14.5	10.0	19.5
19	14.0	12.5	13.0	15.0	16.0	16.0	15.5	14.0	17.0	17.5	19.0	19.0	20.0	20.5	18.5	19.0	14.5	11.0	8.0	10.5	14.0	15.5	9.0	5.0	15.0	20.5
20	8.5	4.0	4.5	5.5	8.0	8.0	5.5	4.0	3.0	4.5	5.5	8.5	6.5	6.5	8.0	7.5	5.5	4.0	7.5	10.5	8.5	7.5	11.0	8.0	6.5	11.0
21	5.0	6.0	5.0	3.0	5.0	4.0	7.0	4.0	3.0	7.5	12.5	13.5	15.0	13.5	20.5	20.0	10.5	10.5	11.0	11.0	12.0	4.0	4.0	2.0	4.0	20.5
22	1.0	2.5	2.0	2.5	2.5	3.0	3.5	3.5	3.5	5.5	7.5	5.5	5.5	6.0	6.5	6.0	5.0	5.0	5.5	5.0	9.0	7.5	9.5	8.5	5.0	9.5
23	9.5	7.5	8.0	7.5	7.0	6.5	5.5	5.0	4.0	3.5	4.5	4.5	7.0	8.5	6.5	5.5	3.0	6.5	7.0	4.5	8.0	3.5	7.0	6.5	9.5	9.5
24	10.5	9.5	10.0	11.0	8.0	7.5	7.5	6.0	3.0	4.0	9.0	14.5	16.5	15.0	9.0	6.5	3.5	2.0	4.5	7.5	9.0	6.0	8.5	8.5	4.0	16.5
25	7.5	6.0	6.5	5.0	7.0	8.0	5.0	2.5	4.5	4.0	6.5	7.5	6.0	6.5	9.0	7.0	8.0	4.0	3.5	6.5	9.5	9.0	8.0	6.5	9.5	9.5
26	7.5	8.0	6.5	5.5	7.5	5.5	7.0	4.5	2.0	3.0	4.0	6.0	5.0	5.5	7.5	6.5	7.0	5.5	6.0	7.5	8.0	4.5	8.5	7.5	6.0	9.5
27	6.0	7.0	7.0	4.5	6.0	5.0	4.5	3.0	2.0	3.0	4.0	4.0	6.5	6.0	6.0	8.0	6.0	5.0	4.0	7.5	9.0	9.5	8.0	6.0	6.0	9.5
28	9.0	7.5	6.5	7.5	6.5	5.0	6.0	3.5	2.5	3.5	4.0	4.5	5.5	8.5	4.0	7.5	4.5	4.5	4.0	6.0	8.0	6.5	6.5	6.5	6.0	9.0
29	7.5	9.0	9.0	8.0	5.5	8.5	7.5	6.5	4.0	3.5	4.5	6.5	7.5	6.5	6.0	7.0	7.5	6.0	4.0	5.5	10.5	9.0	9.0	7.0	6.0	10.5
30	6.5	8.5	7.5	6.5	4.5	6.0	6.0	4.5	3.5	3.5	4.0	4.5	5.0	6.0	6.0	6.5	5.0	4.0	4.0	9.0	5.5	9.0	7.5	4.0	4.0	9.0
AV	7.0	6.5	6.5	6.0	6.0	6.0	6.0	4.5	4.0	6.0	8.0	8.0	9.0	9.5	10.5	10.5	9.0	8.0	7.0	8.0	8.5	8.0	8.0	7.0	7.5	11.0
SD	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	3.0	3.5	5.0	5.0	5.0	4.5	5.0	5.5	4.5	4.0	4.0	3.0	3.0	3.5	3.0	2.5	2.0	11.0

ABOUT (29 JAN 81)

WIND SPEED (CCH15)

MILES/HOUR

LEVEL HEIGHT 120 METERS

WHITF RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

OCT. 1980

AERVIRONNMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.5	8.0	7.0	6.5	6.0	7.5	8.0	5.0	3.5	3.0	5.5	5.5	4.5	4.5	7.0	5.5	4.5	7.0	5.0	4.0	4.0	4.0	5.0	7.0	7.0	5.5	8.0
2	6.5	8.5	5.5	3.5	5.0	5.5	8.0	14.5	10.5	10.5	11.0	8.5	8.0	6.5	5.0	4.5	3.5	2.0	3.0	7.0	8.0	7.0	8.0	10.0	7.0	19.5	7.0
3	8.0	6.0	6.0	5.5	6.5	6.0	4.5	5.0	3.0	2.5	4.0	5.0	4.0	4.5	4.5	5.0	2.5	2.0	4.0	6.5	9.5	9.0	8.5	10.0	5.5	10.0	5.5
4	9.0	7.0	7.0	7.5	5.5	6.0	4.5	5.5	3.0	3.5	3.0	4.0	5.0	5.5	5.5	7.5	3.5	4.5	6.0	9.0	6.5	8.0	10.0	9.5	6.0	10.0	6.0
5	6.0	7.5	7.5	8.5	7.5	6.5	7.0	6.5	3.5	3.5	4.0	4.5	4.5	6.0	8.0	7.0	5.5	5.0	3.5	6.5	9.5	10.5	10.0	9.5	6.5	10.5	6.5
6	6.0	7.0	6.0	8.0	7.0	9.5	6.5	6.5	2.5	2.5	4.0	5.0	7.0	6.5	6.0	6.0	6.5	5.0	3.5	7.0	10.5	9.5	8.0	7.0	6.5	10.5	6.5
7	7.0	6.0	7.0	5.5	6.0	5.5	4.5	5.5	3.0	3.0	3.5	5.0	4.5	5.5	6.0	6.0	5.5	3.0	3.0	8.0	10.0	9.0	9.5	9.0	6.0	10.0	6.0
8	7.5	9.0	7.0	6.5	7.0	6.0	5.5	3.5	2.5	3.0	3.5	4.0	6.5	7.0	5.0	3.5	2.5	2.5	4.0	9.5	8.0	9.0	7.0	9.0	6.0	9.5	6.0
9	9.0	4.5	8.0	6.0	4.5	4.5	6.0	6.0	4.0	3.5	5.0	5.0	4.5	4.5	7.5	7.0	6.5	4.0	3.5	5.0	5.0	6.5	9.0	9.5	6.0	9.5	6.0
10	9.5	6.0	4.0	3.0	4.5	3.5	6.5	3.0	3.5	7.5	10.5	9.0	7.5	5.5	5.0	6.0	3.5	5.0	3.0	4.5	8.5	8.5	8.5	10.0	6.0	10.5	6.0
11	8.5	9.0	6.0	7.5	6.5	5.5	5.0	5.0	3.5	3.0	3.5	5.5	7.0	9.0	5.0	6.0	3.0	7.5	4.0	7.0	5.0	4.0	5.5	3.0	5.5	9.0	9.0
12	3.0	3.5	4.5	4.5	4.5	5.0	4.0	4.5	5.5	7.0	9.5	6.5	11.0	9.5	4.0	4.5	9.0	10.5	5.0	3.0	7.0	6.0	5.5	3.5	6.0	11.0	6.0
13	4.5	11.0	9.5	4.0	3.5	3.5	5.0	2.5	3.5	5.5	5.5	7.0	7.5	6.5	5.5	8.0	4.5	4.5	6.0	7.5	11.5	10.5	5.5	4.5	6.0	11.5	6.0
14	3.5	5.0	5.0	5.5	4.5	3.0	2.5	3.0	2.0	4.5	4.0	9.5	4.0	8.0	6.5	10.0	9.5	20.5	13.5	10.5	7.5	4.5	8.0	10.5	7.0	20.0	7.0
15	6.5	7.0	8.0	3.5	6.0	11.5	15.0	4.5	7.5	9.0	10.5	14.5	14.0	19.0	14.5	13.5	10.0	8.0	5.0	5.5	6.5	5.0	5.5	5.0	4.5	9.0	19.0
16	7.0	7.5	1.5	7.5	7.0	4.5	8.5	4.5	5.5	6.0	7.0	6.5	6.5	5.0	6.0	5.5	5.0	10.5	13.5	12.0	19.5	14.0	13.5	13.5	4.0	14.5	4.0
17	13.5	6.5	3.5	6.0	7.0	8.0	8.0	7.0	5.0	4.5	9.5	12.5	14.5	13.0	16.5	17.5	11.0	11.5	14.0	12.5	8.5	7.5	6.5	7.5	6.5	17.5	6.5
18	8.5	9.0	10.0	9.5	9.5	10.0	8.0	8.5	6.0	6.5	4.0	4.0	5.0	6.0	4.0	5.0	2.0	2.0	2.5	8.5	7.5	4.0	7.0	7.5	6.5	10.0	6.0
19	7.0	5.5	5.5	5.5	7.0	4.5	4.0	4.5	3.0	3.0	5.0	4.0	5.0	6.0	8.0	5.5	6.0	4.0	3.0	6.0	9.0	8.5	9.0	7.0	6.0	9.0	6.0
20	6.5	5.5	6.5	5.0	5.5	4.5	5.5	3.5	3.5	3.0	3.5	4.5	5.0	5.5	5.5	3.5	3.0	1.5	4.0	8.0	6.5	5.5	6.0	7.0	5.0	8.0	5.0
21	6.5	7.5	5.5	6.0	9.5	6.5	4.5	5.5	3.5	2.0	4.0	4.5	4.5	5.0	5.0	3.0	5.5	7.5	4.0	6.0	6.5	4.0	4.5	7.0	5.0	9.5	5.0
22	6.0	5.5	4.5	4.5	6.0	5.0	3.0	5.5	4.5	4.5	15.5	19.5	18.5	18.0	23.5	23.0	25.5	24.5	17.0	14.0	10.0	4.5	3.0	3.5	11.0	25.5	11.0
23	4.5	4.5	6.0	4.0	7.5	13.0	6.5	3.5	6.5	9.0	11.0	7.5	6.5	5.0	4.5	4.0	5.0	2.5	5.0	6.5	7.5	9.0	8.0	5.0	6.5	18.0	6.5
24	8.5	5.0	5.0	7.5	6.0	5.5	5.0	3.5	2.5	3.0	4.0	3.5	5.0	5.0	4.5	4.0	7.5	7.0	3.0	6.0	6.5	8.0	6.5	8.5	9.5	9.5	9.5
25	9.5	5.5	6.5	5.0	5.5	7.5	6.0	3.0	3.0	3.0	4.5	5.5	5.5	7.0	6.5	6.5	2.5	1.5	5.5	7.0	8.0	6.5	4.5	7.0	5.5	9.5	4.5
26	5.5	4.5	4.0	2.5	3.0	3.5	2.0	3.5	1.5	1.0	5.0	8.5	9.0	9.0	7.5	4.5	1.5	3.0	4.5	1.0	5.5	3.0	3.5	1.5	4.0	9.0	4.0
27	2.0	3.5	5.0	5.5	7.0	6.0	2.5	3.0	4.0	11.5	12.0	12.5	13.0	15.0	13.0	16.5	15.5	15.5	12.0	11.5	10.5	10.5	6.0	3.5	1.5	4.0	9.0
28	8.0	5.0	3.0	2.0	1.5	3.0	2.0	2.0	2.5	3.0	4.0	5.0	4.0	4.5	5.0	3.0	3.0	7.0	4.0	5.5	8.5	7.5	6.5	7.5	4.5	9.5	4.5
29	5.0	5.0	6.0	5.0	4.0	4.5	4.0	3.0	3.5	2.5	4.5	4.0	5.0	5.0	4.0	3.5	4.0	5.0	3.5	6.0	7.0	6.5	8.0	7.5	5.0	8.0	6.0
30	5.0	7.0	6.0	4.0	4.5	5.0	4.0	3.5	2.0	2.5	3.5	4.5	5.5	4.0	3.0	3.5	2.0	5.5	3.0	6.0	6.0	8.5	7.5	9.5	9.5	9.0	9.5
31	7.5	6.5	5.0	4.5	5.5	5.5	4.5	5.0	3.0	2.0	3.0	3.5	4.5	5.0	4.0	6.0	5.0	3.5	4.0	5.5	6.5	8.0	7.5	9.0	6.5	9.0	4.0
AV	7.0	6.5	6.0	5.5	6.0	6.0	5.5	5.0	4.0	4.5	6.0	6.5	7.0	7.5	7.0	7.0	6.0	6.5	6.0	7.0	7.5	7.5	7.0	7.5	7.0	7.5	6.5
90	2.0	1.5	2.0	2.0	1.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5	4.0	4.0	4.5	4.5	5.0	5.0	4.0	4.0	4.0	2.5	2.0	2.5	1.5	1.5	1.5

ABOUT (29 JAN 81)

WIND SPEED (C/15)

MILES/HOUR

LEVEL HEIGHT 120 METERS

WHITE RIVER SHALE PROJECT, #159
BONANZA, UTAH
SITE 4

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	7.0	7.5	4.5	1.5	3.0	5.0	3.0	6.0	3.0	8.0	7.5	17.5	12.5	9.5	7.0	5.0	9.0	7.5	5.0	7.5	5.5	5.0	5.0	4.0	4.0	6.5	17.5	
2	3.0	3.0	3.5	1.0	4.0	5.0	4.0	6.0	4.0	3.0	4.0	3.0	3.0	2.5	3.5	4.0	3.0	2.0	3.0	3.5	3.0	3.0	4.0	4.0	3.0	3.5	6.0	
3	3.5	4.0	3.5	4.0	3.0	3.0	5.0	6.0	3.0	3.0	4.0	3.5	4.0	6.5	8.0	13.5	8.5	8.0	10.0	11.5	5.5	5.5	2.5	2.5	4.0	6.0	13.5	
4	4.0	4.0	4.5	4.0	4.5	2.5	4.0	11.0	17.0	19.5	21.0	23.0	23.0	23.5	21.0	17.5	15.5	19.5	6.5	5.0	9.0	11.0	16.5	9.5	12.5	23.5		
5	7.5	12.5	12.0	5.5	3.5	4.5	4.0	2.0	4.0	4.0	4.5	9.0	5.0	4.0	5.5	6.5	7.5	4.5	5.5	4.5	4.5	3.0	5.0	2.5	2.5	5.5	12.5	
6	4.0	2.5	3.0	2.0	3.0	3.5	2.0	3.5	3.5	5.0	3.0	3.5	4.0	3.0	2.0	5.0	4.5	10.0	5.5	4.0	3.0	3.5	2.0	2.5	2.5	3.5	10.0	
7	2.0	2.0	4.0	1.5	3.5	3.0	3.5	5.0	2.5	3.0	3.5	6.0	5.0	5.5	6.5	4.0	1.5	9.0	5.5	9.0	6.5	6.5	5.5	5.5	4.5	9.5	9.5	
8	5.0	5.0	6.0	4.5	2.0	2.5	4.0	4.5	3.0	3.0	4.0	5.5	7.0	8.5	8.0	6.5	4.5	4.5	6.0	6.0	6.0	11.0	7.5	6.0	6.0	5.5	11.0	
9	7.0	6.5	3.5	3.0	1.5	3.5	2.0	3.0	4.0	4.0	6.0	6.0	6.0	5.5	4.0	3.5	2.5	3.0	5.5	8.5	7.0	5.0	6.5	7.5	7.5	5.0	8.5	
10	3.5	5.5	3.5	6.5	4.5	6.0	7.0	4.5	3.5	3.0	3.0	3.5	4.0	5.5	5.0	3.5	6.0	4.0	2.5	4.5	7.0	4.5	4.0	5.0	4.5	7.0	4.5	7.0
11	7.0	5.0	4.5	3.5	5.0	3.0	4.5	3.5	2.0	3.5	3.5	4.5	4.5	6.5	4.0	5.5	6.0	3.5	5.0	4.5	7.0	7.0	7.0	7.0	5.0	4.5	7.0	
12	4.5	4.5	7.0	4.5	4.5	2.5	5.0	5.5	4.0	2.0	2.5	3.5	3.0	4.5	4.5	4.5	5.0	6.0	3.0	6.0	4.5	6.5	5.5	6.5	4.5	4.5	7.0	
13	7.5	6.0	4.5	4.5	5.5	5.0	5.0	4.0	4.0	2.5	3.0	3.0	3.5	3.5	3.0	3.0	4.5	4.5	7.0	6.5	5.0	5.5	5.5	4.0	4.0	5.0	4.0	
14	8.5	7.5	5.0	5.0	4.0	5.0	7.0	4.0	4.0	3.0	3.0	4.0	3.5	3.5	4.5	6.5	5.0	4.0	4.0	5.0	5.5	5.0	4.0	4.5	4.5	5.0	4.5	
15	6.0	6.0	4.5	4.5	4.0	3.5	3.5	4.0	4.0	2.5	4.0	4.0	6.5	4.0	2.5	3.5	2.5	5.0	7.0	3.0	6.0	7.0	6.0	4.5	4.5	4.5	7.0	
16	4.0	4.5	5.0	3.5	4.0	3.5	3.0	3.0	2.5	2.5	3.5	3.0	3.5	6.0	7.5	6.0	6.5	4.0	4.0	4.5	7.0	6.0	6.0	5.5	4.5	4.5	7.5	
17	4.5	7.5	5.0	3.0	2.5	2.5	5.0	4.0	3.0	2.5	3.0	3.5	3.5	4.5	5.0	6.5	8.5	4.5	5.0	3.5	5.5	6.0	6.0	5.5	4.5	4.5	6.5	
18	4.0	6.5	2.0	2.5	4.0	3.0	2.5	2.5	2.0	2.5	2.5	3.0	3.5	5.5	6.0	7.5	6.0	4.5	4.5	7.0	4.0	4.0	5.0	5.5	4.0	4.0	7.5	
19	6.5	8.5	5.5	5.5	5.0	5.0	4.5	5.5	5.5	3.0	3.0	4.0	3.0	3.0	3.5	4.5	4.5	3.0	4.0	8.0	5.0	5.0	6.5	7.0	5.0	4.0	4.5	
20	6.5	5.5	4.5	4.5	4.0	4.5	5.0	4.5	3.5	3.0	1.5	3.0	2.5	3.5	3.0	5.5	5.0	3.5	4.0	6.0	6.0	5.0	4.5	4.0	4.5	4.5	6.5	
21	6.0	6.0	5.5	3.0	3.5	4.5	4.5	3.5	4.0	2.0	3.0	3.5	3.5	4.0	2.5	3.5	3.0	2.5	4.0	3.5	3.5	2.0	1.5	3.5	3.5	3.5	6.0	
22	3.0	4.0	5.0	5.0	4.5	3.0	3.0	3.0	3.5	5.5	6.0	6.0	3.5	2.5	3.0	6.0	7.0	5.5	2.5	3.0	1.5	3.0	7.5	8.0	4.5	4.5	6.0	
23	3.0	3.0	4.5	6.0	4.0	9.0	6.5	5.0	4.5	6.5	6.0	7.5	5.5	4.0	5.0	5.0	2.0	3.5	8.5	7.5	10.0	6.0	6.5	6.5	6.0	10.0	10.0	
24	6.0	7.5	6.5	5.0	4.0	5.0	4.0	5.0	3.0	3.0	3.0	3.5	4.5	4.5	4.5	4.5	4.5	2.5	4.0	6.0	4.5	5.0	4.0	4.0	4.0	5.0	6.5	
25	4.5	4.0	7.0	4.0	2.5	4.0	4.0	5.5	4.0	4.0	3.0	3.0	5.0	5.0	5.5	5.5	4.5	3.0	3.5	7.0	4.0	5.5	7.0	6.5	5.0	7.0	7.0	
26	6.5	4.0	7.0	4.0	2.5	4.0	4.5	5.5	4.0	4.0	3.0	3.0	5.0	5.0	5.5	5.5	4.5	3.0	3.5	5.0	4.0	5.5	7.0	6.5	5.0	4.0	7.0	
27	6.5	4.0	5.0	6.5	4.5	4.5	4.0	5.5	4.0	2.5	2.5	3.0	3.0	5.0	4.5	4.0	3.5	3.5	3.5	5.0	3.5	5.5	4.0	5.5	4.5	4.5	6.5	
28	5.0	4.0	5.0	3.5	3.5	4.5	4.5	3.0	3.0	3.0	2.5	4.0	6.0	4.5	5.5	5.0	3.5	2.5	4.0	7.0	6.5	7.5	6.0	6.5	5.0	4.0	4.0	
29	7.0	7.0	7.5	6.0	5.5	5.0	5.0	6.0	4.5	3.5	3.0	3.0	4.0	3.5	4.5	4.5	3.5	3.0	6.0	4.5	4.5	6.5	7.0	8.0	5.5	9.5	9.5	
30	5.0	5.5	6.5	5.5	5.5	5.5	4.0	7.5	5.0	3.5	2.0	3.5	3.5	5.0	7.0	7.5	6.5	3.0	4.5	6.0	4.5	5.0	5.0	7.5	5.5	4.5	4.5	
31	6.5	4.5	6.0	3.5	5.0	4.5	4.0	3.0	3.5	1.5	3.0	2.5	3.0	6.0	5.0	5.0	6.5	2.5	3.5	6.0	5.5	6.0	7.0	4.5	4.5	4.5	4.5	
AV	5.5	5.5	5.0	4.0	4.0	4.0	4.0	4.5	4.0	4.0	4.0	5.5	5.0	5.5	5.5	5.5	5.0	4.5	5.0	6.0	6.0	5.5	6.0	6.0	5.0	5.0	5.0	
SD	1.5	2.0	1.5	1.5	1.0	1.5	1.0	1.5	2.5	3.0	3.5	4.5	4.0	3.5	3.5	2.5	3.0	3.0	2.0	2.0	2.0	2.0	2.5	2.0	1.5	1.5	1.5	

WIND SPEED (C017)
 MILES/HOUR
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE PEAK		
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	5.0	2.0	2.0	4.5	7.5	6.0	5.0	5.5	5.5	2.5	4.0	3.5	3.0	3.5	3.5	4.0	5.0	5.5	2.5	3.0	3.0	2.0	3.0	3.0	4.0	7.5	
2	2.0	1.5	2.0	1.5	3.0	3.5	2.0	3.0	3.0	3.5	2.5	2.5	2.5	4.0	3.0	3.0	3.5	4.5	4.5	7.0	5.0	4.5	2.0	2.5	3.0	7.0	
3	2.0	2.0	4.5	4.5	5.0	6.0	5.0	4.0	4.0	2.5	2.0	2.0	2.0	3.0	4.5	4.5	4.5	4.5	4.5	2.0	2.0	2.5	2.5	2.0	3.0	6.0	
4	3.0	2.5	2.5	2.5	2.5	2.0	3.0	2.5	3.0	3.5	2.0	2.0	3.0	3.5	3.0	3.0	3.5	3.5	4.0	3.0	2.5	3.0	2.0	3.5	3.0	4.0	
5	3.0	3.5	2.5	2.0	3.0	4.0	4.0	2.5	2.5	2.0	2.0	3.0	3.0	3.0	3.5	4.5	4.5	4.5	4.0	5.5	2.0	2.5	4.0	4.0	3.0	7.0	
6	2.5	4.0	3.0	6.0	5.0	4.0	5.5	6.5	6.5	6.0	7.5	6.5	6.0	14.0	14.5	15.5	15.5	14.0	6.5	5.5	6.0	3.0	2.0	4.0	7.5	15.5	
7	2.0	2.0	3.0	3.0	2.5	2.0	3.5	2.5	3.0	3.0	3.0	4.5	6.0	6.0	4.5	4.0	5.0	7.0	7.0	6.5	10.0	4.5	3.5	3.5	4.5	10.0	
8	3.0	4.5	2.0	2.5	2.5	3.5	3.0	3.0	2.0	2.5	3.5	4.0	3.5	3.0	3.0	3.0	3.0	3.5	3.0	3.5	8.0	7.0	6.5	9.5	13.0	4.0	13.0
9	6.5	5.5	6.5	4.5	4.5	5.5	3.5	9.0	14.5	19.5	21.0	19.5	18.0	22.0	14.0	16.0	12.5	15.5	17.0	6.5	9.5	13.0	13.5	22.0	13.5	22.0	
10	12.0	12.5	24.0	22.0	21.5	17.0	14.5	14.5	23.5	23.0	23.5	25.0	24.5	22.0	19.5	24.0	20.5	19.5	24.0	21.5	18.5	14.0	5.0	6.0	19.0	25.0	
11	11.0	8.5	8.5	9.0	9.0	8.0	5.5	5.0	5.0	5.5	2.0	2.0	2.5	11.0	3.0	3.0	2.5	3.0	3.0	4.5	4.0	3.5	5.0	2.0	5.5	12.5	
12	3.0	3.5	3.0	3.5	2.5	3.5	6.5	5.5	3.0	4.0	2.5	5.0	4.5	2.5	3.5	3.5	4.0	5.5	5.0	4.5	5.0	3.0	2.0	4.5	4.0	6.5	
13	6.0	3.0	3.0	3.5	3.0	2.5	2.0	3.0	2.0	2.5	3.5	3.5	5.0	5.0	2.5	3.5	4.0	3.0	2.5	2.0	6.0	4.0	6.0	7.5	3.5	7.5	
14	16.5	17.0	15.5	14.5	15.5	14.0	13.0	10.5	17.0	13.0	13.5	8.0	7.5	6.5	4.5	3.0	4.0	5.0	3.0	4.5	5.5	2.5	3.5	3.5	9.5	14.5	
15	3.0	3.5	3.5	4.0	3.5	4.0	3.5	3.0	5.0	1.5	2.5	4.0	4.5	4.5	4.5	3.0	5.5	5.5	5.0	3.5	4.5	2.0	2.5	2.0	4.0	6.5	
16	2.0	3.0	2.0	4.0	4.0	4.0	6.0	5.0	3.5	1.5	2.5	3.5	3.5	4.5	7.0	7.5	5.5	5.5	3.0	3.0	4.5	4.5	4.5	3.5	4.0	6.5	
17	3.0	3.5	3.0	2.5	3.0	3.5	2.5	3.5	2.5	2.5	2.5	3.5	6.0	7.5	5.5	4.0	3.5	5.5	5.5	4.0	2.0	2.5	4.5	3.5	4.0	7.5	
18	2.0	2.0	4.0	2.5	2.5	2.5	2.0	3.0	3.0	3.0	2.5	3.5	6.0	7.5	5.5	4.0	3.5	5.5	4.5	2.0	2.5	4.0	4.0	4.0	4.0	8.0	
19	24.0	20.5	18.5	10.0	11.0	9.5	15.5	17.0	14.0	13.0	9.5	11.0	10.5	12.0	6.5	9.0	5.5	11.0	8.0	16.5	20.0	23.5	24.0	20.5	7.5	24.0	
20	6.0	4.5	4.0	4.0	10.5	8.0	6.0	9.0	4.5	2.5	6.5	6.0	4.5	5.5	5.0	6.0	6.0	5.5	7.0	5.0	2.5	1.5	2.5	2.0	5.0	10.5	
21	3.0	3.5	3.5	3.5	4.5	3.0	3.5	2.0	4.5	4.0	3.5	4.0	3.5	4.5	3.0	5.0	3.0	3.5	3.5	6.5	7.0	7.5	7.5	5.5	4.5	6.0	
22	4.5	4.5	4.5	5.0	6.0	4.0	4.0	5.5	4.0	5.0	4.5	4.0	4.0	5.0	4.0	5.0	3.0	3.5	3.5	6.5	6.0	6.0	6.0	4.0	4.5	6.0	
23	6.0	3.5	7.5	4.0	3.5	6.5	3.0	4.0	3.0	2.5	3.0	5.0	5.5	6.5	6.0	4.0	4.0	4.0	4.0	4.0	3.5	4.5	4.5	6.5	4.5	7.5	
24	4.0	3.0	3.0	3.5	4.0	2.5	3.5	3.5	3.0	5.5	3.5	3.0	3.0	4.0	4.0	3.0	4.5	5.5	4.5	4.5	4.5	4.0	3.0	3.0	4.0	5.5	
25	4.0	6.0	7.5	5.0	3.5	5.0	5.0	3.5	2.5	3.0	3.0	3.0	2.5	3.0	3.5	5.5	4.5	6.5	5.5	10.0	12.0	12.5	12.0	12.5	6.0	12.5	
26	14.5	13.0	7.5	5.0	4.0	13.0	4.0	5.5	4.0	8.0	4.0	5.0	6.0	8.5	13.5	15.0	14.5	16.0	12.5	11.0	8.0	10.0	8.5	9.0	16.0	9.0	16.0
27	4.0	2.5	4.5	4.0	3.5	1.5	1.0	3.0	3.0	3.5	3.5	5.5	4.5	4.0	4.0	4.0	3.0	5.5	7.0	3.0	6.0	9.0	4.0	3.5	4.0	9.0	
28	5.0	5.0	8.0	6.0	6.5	6.0	6.0	3.5	4.0	4.5	4.0	4.5	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.5	2.0	3.5	2.0	1.5	4.5	6.5	
29	2.5	3.5	1.5	1.5	3.0	1.5	2.0	2.0	2.0	2.5	3.0	3.0	2.5	6.0	6.5	7.5	9.0	4.5	5.5	3.5	4.5	7.0	4.5	4.0	4.0	9.0	
30	7.0	7.0	9.5	11.0	9.0	8.5	6.5	10.0	6.0	3.5	2.0	2.5	2.5	3.0	2.5	2.5	2.0	3.0	4.5	8.0	7.0	6.5	3.5	7.0	5.5	11.0	
31	6.0	5.0	5.5	5.0	7.0	7.0	3.5	2.5	5.5	2.0	2.0	3.0	2.5	2.5	2.5	3.0	6.0	4.5	4.5	4.5	6.0	3.0	2.5	2.5	4.0	7.0	
AV	6.0	5.5	5.5	5.5	5.5	5.0	5.5	5.0	5.5	5.0	5.0	5.5	5.5	6.5	6.0	6.0	6.0	6.5	6.0	6.0	7.0	6.5	5.5	5.5	6.0	11	
30	5.0	5.0	5.0	4.0	4.0	3.5	3.5	3.5	5.0	5.0	5.0	5.0	5.0	4.5	4.0	5.5	4.5	4.0	4.5	4.5	5.0	5.0	5.0	4.5	3.5	11	

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WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 6

FEB. 1960

AEROVIRONMENT INC.

WIND SPEED ((C&I))
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.5	3.0	4.0	2.5	2.0	4.0	3.5	2.5	2.5	2.5	4.0	4.5	4.5	5.5	6.5	5.0	4.0	3.5	4.0	5.5	6.5	6.5	5.0	3.5	9.0	6.5	
2	4.0	4.5	2.5	3.0	5.5	4.5	3.0	3.5	3.0	3.5	3.5	4.5	5.0	3.0	3.0	2.5	4.0	3.0	3.5	4.0	5.0	5.0	3.0	2.5	3.5	5.5	
3	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.5	3.0	3.0	4.0	3.5	3.5	3.0	3.0	3.0	5.5	5.5	4.0	4.5	3.5	2.5	3.5	5.0	3.5	5.5	
4	2.5	4.5	4.0	3.0	5.0	3.0	2.5	3.0	2.0	3.0	2.5	3.0	3.5	6.5	6.5	3.0	3.5	2.5	2.5	3.0	3.0	4.0	3.5	4.0	3.5	4.5	
5	3.0	3.5	4.5	2.5	4.0	2.5	3.0	2.0	3.0	2.0	3.0	3.0	3.5	4.5	3.5	5.5	6.0	7.0	5.0	3.0	2.5	3.5	4.0	4.0	3.5	7.0	
6	4.0	3.0	7.5	2.5	2.5	2.5	2.0	3.0	2.5	2.0	4.5	4.5	3.5	3.0	3.5	5.0	6.5	6.0	6.0	3.5	3.0	4.5	3.0	4.0	3.5	7.5	
7	4.5	2.0	2.0	2.5	4.5	4.0	4.0	2.5	2.5	2.0	3.5	5.5	3.0	3.5	5.0	10.0	12.0	12.0	7.5	7.5	5.0	5.0	4.0	4.0	3.5	12.0	
8	9.0	10.5	9.0	8.5	6.5	4.0	5.0	10.0	7.5	2.5	2.0	4.0	6.0	7.5	6.5	5.5	3.5	3.0	4.0	9.0	10.5	11.0	11.0	4.5	7.0	11.0	
9	7.5	9.5	6.5	7.0	8.0	8.0	5.0	2.5	2.5	2.0	2.5	4.0	4.0	5.0	5.0	5.5	7.0	6.5	4.5	2.0	2.5	5.0	6.5	7.5	5.5	9.5	
10	6.5	6.5	6.5	7.5	5.5	2.5	2.5	4.0	1.0	1.0	2.0	9.0	2.5	4.5	5.5	6.5	7.0	6.0	3.0	4.5	5.0	6.0	6.0	5.0	5.0	9.0	
11	4.5	3.0	3.5	3.0	2.5	2.5	2.0	1.0	1.0	2.0	3.0	3.0	4.5	4.5	4.5	6.5	6.0	5.0	4.5	5.0	2.5	3.0	6.0	6.0	3.5	6.5	
12	7.5	3.0	4.5	4.0	3.5	4.0	2.5	2.5	2.5	2.5	3.0	4.0	4.0	4.0	5.0	6.5	6.5	5.5	3.5	2.0	2.5	2.0	1.5	1.5	3.5	7.5	
13	2.0	5.5	3.5	2.5	2.5	2.5	2.5	3.5	2.0	2.0	2.0	4.5	2.5	3.5	4.5	4.0	5.5	5.5	7.5	7.5	4.5	2.5	3.0	1.5	3.5	7.5	
14	2.0	4.0	3.0	2.0	3.0	3.0	2.5	2.0	3.5	5.0	3.5	3.5	3.5	4.5	4.0	4.0	4.5	6.5	4.5	3.0	2.5	4.0	3.5	2.0	3.5	6.5	
15	5.5	4.0	3.5	2.0	3.0	2.5	2.0	2.5	1.5	2.5	3.0	3.0	3.5	4.0	4.5	5.0	9.0	6.5	4.5	3.0	2.0	3.0	2.0	3.0	3.5	9.0	
16	4.0	2.0	2.0	6.0	2.0	2.5	4.5	2.5	5.0	3.0	2.0	3.0	3.0	3.0	3.5	4.0	4.0	5.0	3.5	3.0	3.0	3.0	4.0	3.0	3.5	9.0	
17	2.5	2.5	3.0	2.0	2.5	4.0	2.5	3.0	1.5	2.5	4.5	4.5	4.5	5.5	2.5	2.5	3.0	6.0	3.0	2.5	2.5	3.5	1.5	2.5	3.0	6.0	
18	3.0	3.0	6.0	6.0	3.0	3.5	5.5	5.0	3.5	4.5	14.0	10.0	4.0	10.0	11.5	12.0	7.0	7.0	8.5	7.5	6.5	7.0	6.5	4.5	6.5	14.0	
19	4.5	6.0	11.0	11.0	7.0	7.0	5.5	3.5	2.0	7.5	2.5	11.0	11.5	12.0	13.5	14.0	7.5	5.0	4.5	4.0	5.0	3.5	3.5	3.5	6.5	14.0	
20	5.0	7.0	9.0	12.0	11.0	5.0	10.5	3.0	3.5	9.5	9.0	13.0	13.0	10.5	13.5	14.0	7.5	5.0	3.0	6.5	7.5	6.0	6.0	5.0	6.0	13.5	
21	4.5	4.0	6.5	4.0	4.5	2.5	3.5	3.0	2.0	3.0	13.0	13.0	3.5	13.0	13.0	10.5	8.5	9.0	9.5	5.5	5.5	3.5	3.5	2.0	6.5	13.0	
22	3.0	2.5	3.0	4.0	6.5	5.5	5.5	5.0	4.5	7.5	7.0	8.0	13.0	6.5	9.5	9.0	7.5	6.5	3.0	4.5	7.5	6.5	9.0	4.0	6.0	13.0	
23	4.5	2.5	3.0	8.5	7.0	5.0	4.5	7.0	3.0	3.0	3.5	11.5	12.0	6.5	5.5	5.5	6.0	6.0	9.0	10.0	10.0	6.0	6.0	4.0	6.5	12.0	
24	7.0	4.0	5.0	5.0	6.5	4.5	5.0	6.0	3.5	3.5	4.0	4.0	5.5	5.5	5.0	5.5	3.5	4.0	2.5	3.0	7.5	9.0	7.5	6.5	5.0	9.0	
25	7.5	6.5	8.5	7.0	6.5	4.5	5.0	6.0	5.0	5.0	5.0	4.5	6.0	4.5	5.5	5.0	5.5	7.5	6.5	3.5	3.5	5.0	6.5	6.5	5.5	8.5	
26	6.0	8.0	9.5	6.5	4.0	3.0	5.0	7.5	3.5	3.0	4.5	5.0	4.5	4.5	5.5	5.0	6.0	5.5	3.5	2.5	6.0	5.0	6.5	7.0	5.5	8.5	
27	5.0	9.0	7.5	4.0	3.5	7.0	7.0	7.5	2.5	3.0	3.5	5.0	6.0	6.0	7.0	6.5	6.5	6.0	3.5	3.5	5.0	5.0	6.5	6.5	5.5	9.0	
28	7.0	7.5	4.5	6.5	7.5	3.5	5.0	4.5	4.0	3.5	4.0	5.5	7.5	6.5	9.0	3.5	6.0	4.5	3.0	11.0	12.5	5.5	7.0	9.5	6.0	12.5	
29	6.5	8.5	4.0	7.5	9.0	6.0	8.5	5.0	4.0	6.5	8.5	7.0	5.5	5.5	5.0	6.0	13.5	13.0	10.0	8.5	4.5	10.5	9.0	9.5	7.5	13.5	
AV	5.0	5.5	5.0	5.0	5.0	4.0	4.0	3.0	3.5	4.5	6.0	6.0	5.5	6.0	6.0	5.5	6.5	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	1.1
SD	2.0	2.5	2.5	2.5	2.5	1.5	2.0	1.5	2.0	3.0	3.0	3.0	3.0	2.5	3.0	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	1.1

WIND SPEED (CC117)
 MILES/HOUR
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAR, 1980
 AEROSCIENCE INC.

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 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFK	
1	12.5	12.5	9.5	4.0	7.5	6.5	4.5	6.0	6.5	5.0	7.5	7.5	6.0	6.0	5.5	6.5	7.0	3.5	4.5	2.5	4.0	8.5	10.0	9.0	7.0	12.5	
2	6.0	7.5	6.5	3.5	7.5	7.0	3.5	5.5	6.5	3.0	2.5	3.0	5.0	6.0	6.5	7.0	5.5	3.5	4.0	3.5	4.0	8.5	10.0	9.0	5.0	8.5	
3	3.5	2.0	3.0	5.0	3.0	3.0	4.0	4.0	4.0	4.0	6.5	4.0	10.0	17.0	20.0	19.5	16.5	5.0	4.0	4.5	4.0	3.0	4.0	5.0	9.0	7.5	20.0
4	10.5	12.5	6.5	7.5	5.0	7.0	6.0	5.5	3.0	2.5	4.5	5.5	11.0	14.5	10.5	13.5	18.0	20.0	17.0	10.5	8.0	7.5	5.5	7.5	9.0	20.0	
5	10.5	7.5	9.0	7.0	5.5	5.0	4.5	3.0	10.0	6.0	15.0	17.0	16.0	18.0	20.5	19.5	19.0	19.5	20.5	17.5	13.5	17.5	12.5	10.5	12.5	20.5	
6	13.0	9.5	11.5	17.0	10.0	10.0	10.0	4.5	3.0	3.0	3.0	7.0	6.5	4.0	5.5	3.0	4.0	3.5	7.0	6.5	6.0	3.0	3.0	4.0	7.0	17.0	
7	3.5	2.0	4.0	5.0	7.5	3.5	4.5	3.5	2.5	6.0	8.0	10.0	11.0	8.5	6.5	5.5	6.5	5.0	9.0	7.5	8.0	5.0	4.5	6.5	5.5	11.0	
8	5.5	9.5	7.5	4.5	7.0	5.5	9.0	8.5	4.5	4.0	5.5	8.5	12.0	13.0	11.5	9.5	9.0	9.5	9.0	7.5	8.0	5.0	7.5	7.5	7.5	13.0	
9	5.5	9.5	7.5	6.5	9.5	9.5	8.0	6.5	5.0	5.0	7.5	6.0	14.5	14.5	15.5	15.0	13.5	13.0	8.0	8.0	8.0	6.0	8.5	8.5	9.5	15.5	
10	10.0	7.0	7.0	8.5	7.5	7.0	5.0	4.0	3.0	3.0	5.0	6.5	8.5	7.0	6.0	6.5	7.0	7.0	6.0	5.5	3.5	6.5	9.5	5.0	6.5	10.0	
11	7.5	8.5	6.5	9.0	9.5	3.0	4.5	4.5	1.5	2.5	4.0	3.5	4.0	6.5	12.0	14.0	8.0	9.5	11.5	17.0	11.5	13.0	6.5	7.5	17.0		
12	7.5	16.0	16.5	20.5	22.5	19.0	21.5	20.5	16.5	14.5	21.5	21.5	18.5	17.5	16.0	15.5	13.5	14.5	8.0	5.0	6.0	3.5	8.5	9.5	15.0	22.5	
13	8.5	6.0	5.5	9.0	9.5	6.5	5.5	4.5	3.5	4.5	3.5	4.0	5.5	7.0	8.0	8.0	5.5	5.0	6.5	4.0	5.0	2.5	5.0	6.0	6.0	9.5	
14	3.5	4.5	6.5	5.0	6.0	6.0	9.0	5.5	4.0	4.5	5.0	6.0	9.5	10.0	7.5	16.5	17.0	14.5	9.5	6.5	12.0	7.5	6.0	3.0	7.5	17.0	
15	3.5	6.0	4.5	6.0	3.0	2.5	3.0	5.0	5.5	3.0	12.0	11.5	13.0	8.0	16.0	18.5	16.0	15.0	18.5	5.0	4.0	5.5	18.5	15.0	9.0	18.5	
16	7.0	7.0	7.5	10.5	5.0	8.0	7.0	4.5	4.5	4.0	4.0	6.0	7.5	13.0	9.5	9.5	7.5	11.5	10.0	12.5	15.0	13.5	9.5	5.0	4.5	15.0	
17	8.5	6.0	6.5	8.0	6.0	3.5	3.5	3.5	9.0	4.0	6.0	7.5	10.0	9.5	7.5	9.5	8.0	9.0	4.5	4.0	7.5	9.5	12.5	11.0	7.5	12.5	
18	10.0	8.0	10.0	9.5	5.5	7.0	8.5	4.5	3.0	7.0	9.5	11.5	13.0	13.5	15.0	14.0	21.5	16.5	17.0	12.0	6.0	6.0	3.0	2.0	9.5	21.5	
19	3.5	6.0	6.0	5.0	8.0	6.5	8.5	5.0	3.5	3.5	4.5	6.0	5.0	8.0	10.5	8.0	8.5	13.5	19.0	11.5	12.5	16.5	7.0	7.5	8.0	19.0	
20	6.0	7.5	6.0	4.5	5.0	4.0	4.0	3.5	4.0	10.5	22.5	22.5	22.0	21.0	21.0	22.0	16.5	10.5	7.5	3.0	9.0	10.0	9.5	11.5	22.5		
21	9.0	5.5	4.5	4.5	5.0	3.0	2.5	10.0	6.5	6.5	7.0	12.0	13.5	16.0	15.0	15.5	14.5	12.5	10.0	7.5	6.5	5.0	3.0	5.5	6.5	16.0	
22	7.5	5.0	7.0	7.5	2.5	3.0	3.0	3.0	2.5	7.0	9.0	7.0	5.5	7.5	9.5	8.5	6.0	5.0	4.0	6.0	10.5	6.0	4.5	3.5	6.0	10.5	
23	4.5	7.0	8.5	9.0	6.0	4.5	6.5	5.0	3.0	4.5	5.0	15.0	16.0	15.0	15.0	17.0	13.5	11.5	10.5	14.0	9.0	3.5	3.5	3.0	9.0	17.0	
24	3.0	5.5	5.5	6.5	6.0	3.5	3.0	3.5	4.5	4.5	3.5	3.0	6.5	3.5	4.0	4.5	3.5	5.5	8.0	6.0	5.5	6.5	3.5	3.0	5.0	8.0	
25	6.5	4.0	4.5	3.5	4.5	3.5	3.0	3.5	2.0	3.5	4.5	3.0	4.0	5.0	7.0	6.0	7.5	8.5	7.0	6.5	9.0	6.5	5.5	6.0	5.0	8.0	
26	2.5	4.0	4.5	7.0	7.0	8.5	8.0	9.0	4.0	4.0	4.0	5.0	7.0	8.0	9.5	17.0	15.5	10.0	6.5	7.0	5.0	4.0	2.0	7.5	17.0		
27	11.5	8.0	4.5	5.5	4.0	2.5	1.0	4.0	5.0	5.5	18.5	21.5	23.5	22.5	20.5	21.5	18.0	15.0	8.5	10.0	9.0	8.0	3.0	3.0	10.0	23.5	
28	2.5	10.5	5.0	4.5	2.5	4.0	6.0	5.0	3.0	4.0	4.5	8.0	6.5	6.5	5.5	4.5	8.0	4.5	4.5	5.0	10.0	9.0	8.0	9.0	6.0	10.5	
29	8.0	10.0	3.5	3.5	3.5	5.0	6.5	6.5	7.5	8.5	21.0	23.5	19.0	19.5	20.5	11.5	5.0	16.0	7.5	5.0	6.5	6.5	6.0	7.5	10.0	23.5	
30	7.0	9.5	17.0	13.5	10.5	16.5	8.5	8.0	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	4.5	4.5	2.5	4.5	6.5	6.0	7.5	10.0	23.5
31	7.0	7.5	7.5	7.5	7.0	6.5	6.0	6.0	5.0	5.5	7.5	10.0	11.0	11.5	11.5	12.0	12.0	10.5	9.5	8.0	7.5	7.0	7.0	7.0	8.0	7.0	17.0
AV	3.5	3.5	3.5	4.0	4.0	3.5	3.5	3.5	3.5	3.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.0	5.0	3.5	3.5	3.5	3.5	3.0	3.0	3.0	
90	3.5	3.5	3.5	4.0	4.0	3.5	3.5	3.5	3.5	3.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.0	5.0	3.5	3.5	3.5	3.5	3.0	3.0	3.0	

WIND SPEED (CCH17)

MILES/HOUR
LEVEL HEIGHT 30 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

APR. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6.0	4.0	5.0	5.0	4.0	6.0	6.5	5.5	7.0	5.5	4.5	4.5	5.0	6.0	5.5	5.5	5.5	5.5	7.5	10.5	16.0	18.5	16.5	12.0	7.5	18.5
2	13.0	4.5	7.0	8.5	6.0	6.5	8.0	5.0	4.5	4.5	7.5	9.5	9.0	7.0	9.5	11.5	9.5	8.0	7.5	7.5	4.5	8.5	10.0	9.5	8.0	13.0
3	10.5	11.5	10.5	9.5	10.5	7.0	8.0	8.0	5.5	4.0	3.5	4.5	4.5	6.5	6.5	4.5	5.0	6.5	5.0	5.0	5.0	4.5	4.0	4.0	6.5	11.5
4	3.0	1.5	2.5	3.5	5.5	4.0	4.0	4.5	2.5	4.0	4.0	5.5	5.0	6.0	4.5	8.0	8.0	7.5	10.5	12.0	11.0	7.5	8.0	6.0	6.0	12.0
5	7.0	10.5	6.5	4.5	3.0	5.0	3.5	5.0	4.0	3.0	4.0	8.5	12.0	19.0	18.0	17.0	15.5	11.0	15.5	9.5	6.0	6.0	6.0	7.5	9.0	19.0
6	6.5	13.0	16.5	15.5	10.5	11.0	7.0	5.5	7.0	7.5	8.5	20.0	18.5	24.0	25.5	24.0	23.5	19.5	7.5	3.5	11.0	11.5	5.0	13.5	25.5	
7	5.0	16.5	11.0	6.5	10.0	18.0	18.5	21.5	20.0	20.0	23.5	25.0	21.5	17.5	17.0	20.5	22.0	20.0	21.0	17.5	12.0	4.5	5.5	8.5	16.0	25.0
8	9.5	10.5	8.0	7.5	4.0	5.0	5.0	2.5	4.0	4.0	5.5	7.0	10.0	9.5	7.0	5.5	3.5	4.5	6.0	11.0	5.5	2.5	5.5	6.0	11.0	
9	9.0	6.5	6.0	7.0	6.5	6.5	3.0	3.0	3.0	3.0	5.0	5.5	7.5	10.5	16.5	17.0	17.5	13.0	10.5	8.5	2.5	4.0	6.0	6.0	8.5	17.5
10	2.5	6.0	3.5	3.5	5.0	4.0	16.0	18.5	16.0	10.0	14.5	21.0	22.5	24.5	23.0	24.0	25.0	23.5	20.5	19.5	11.0	8.0	11.0	8.5	19.0	25.0
11	6.5	3.5	3.0	2.5	2.5	2.0	6.5	2.5	3.5	7.5	13.0	20.5	18.5	22.5	21.5	23.0	22.5	18.5	15.5	13.0	15.5	17.0	14.5	12.5	23.0	
12	12.5	6.5	3.0	6.0	6.5	5.5	7.0	3.0	4.5	6.0	8.0	9.5	10.0	13.0	15.5	17.0	19.0	18.5	17.5	15.0	13.0	11.0	8.5	10.0	19.0	
13	7.0	4.5	4.5	4.5	5.0	7.0	5.0	3.5	5.0	4.5	5.5	5.0	4.0	6.5	5.5	4.5	4.5	3.5	2.5	4.0	10.0	11.5	12.5	9.5	6.0	12.5
14	9.0	9.5	5.0	9.5	6.0	6.5	4.0	3.0	3.5	4.0	4.5	4.5	5.5	6.0	7.0	7.0	4.5	4.0	2.0	6.0	11.5	6.5	10.5	10.5	6.5	11.5
15	8.5	6.5	10.0	5.5	7.0	7.5	6.0	4.0	3.0	5.0	5.5	6.0	12.0	11.5	15.5	17.5	23.0	21.0	21.0	20.0	18.5	6.0	4.5	11.0	23.0	
16	6.5	10.5	12.0	12.0	6.0	6.5	6.5	6.0	3.0	3.5	5.0	5.5	7.5	9.0	10.0	8.0	8.0	7.0	7.0	5.0	8.0	12.0	11.5	10.5	8.0	12.0
17	11.0	10.0	11.5	9.0	9.0	7.0	6.0	2.5	3.0	3.5	5.5	5.0	5.5	5.0	6.0	6.5	4.5	5.0	7.0	5.5	10.5	9.0	14.5	11.5	7.5	14.5
18	7.0	9.0	10.5	11.5	11.5	6.0	7.0	2.5	2.5	3.0	4.5	6.0	7.0	6.5	9.0	10.0	11.5	12.0	11.5	10.5	14.5	6.5	11.0	11.0	8.5	15.0
19	6.5	6.0	9.0	7.0	7.5	6.5	6.5	2.5	3.0	3.5	5.0	5.0	7.0	8.5	9.0	12.0	5.5	15.0	11.5	11.0	12.0	7.5	10.5	13.5	8.5	15.0
20	7.5	6.0	10.0	9.0	7.0	7.0	4.0	3.0	3.5	4.0	6.0	7.0	10.5	12.5	16.0	16.0	14.0	11.5	10.0	13.0	14.5	12.0	13.0	9.5	16.5	
21	13.5	18.0	15.0	16.0	14.5	13.5	15.0	15.0	16.0	18.5	16.0	11.5	9.5	9.5	11.5	7.0	8.0	9.5	8.0	6.5	4.0	6.5	4.5	2.5	11.0	18.5
22	4.0	6.5	5.0	2.0	4.0	4.5	7.5	4.5	3.5	4.0	6.0	7.0	6.5	17.5	17.5	16.0	18.5	15.5	16.5	16.5	5.5	11.5	12.0	6.5	9.0	18.5
23	7.5	5.5	6.5	6.5	7.0	6.5	4.5	4.5	9.0	6.0	5.5	12.0	18.0	9.5	11.0	15.5	14.0	10.5	4.5	3.5	6.0	5.5	11.0	8.0	8.5	18.0
24	6.0	5.5	5.0	8.5	4.0	5.0	5.5	3.0	4.5	6.0	8.5	9.0	8.5	4.0	8.0	12.5	14.0	12.0	11.5	9.5	11.0	10.5	5.5	7.5	18.0	
25	10.0	7.0	11.5	5.5	6.5	7.0	4.5	6.0	8.0	7.5	8.0	9.0	11.5	12.5	14.0	16.0	14.5	14.0	12.5	13.5	11.0	12.0	13.0	10.0	16.0	
26	6.5	5.0	4.5	7.5	6.5	7.5	4.0	5.0	3.5	7.5	6.5	6.0	6.5	6.5	6.5	7.5	6.0	7.5	7.5	6.0	3.5	9.5	8.0	7.5	6.5	9.5
27	7.5	11.5	12.0	9.5	7.5	6.5	4.5	3.5	4.0	4.0	6.0	5.0	6.5	6.5	7.5	7.5	6.0	5.5	10.0	5.0	2.5	6.5	6.5	6.5	12.0	
28	4.5	7.0	8.0	6.0	7.5	5.0	3.0	3.0	4.0	5.0	5.5	6.5	10.0	10.5	16.5	14.0	12.0	6.0	4.0	5.0	6.5	11.5	6.0	5.5	7.5	16.5
29	6.5	9.0	8.5	6.5	4.5	6.0	3.5	3.0	3.0	4.0	5.0	12.0	12.5	14.0	12.0	16.5	18.0	10.5	10.5	11.0	9.5	6.5	9.0	5.0	8.5	18.0
30	6.0	6.0	4.0	5.0	5.0	1.5	2.5	3.5	2.5	2.5	4.0	9.5	6.0	7.0	6.5	7.0	4.5	4.5	7.5	12.0	9.0	8.0	6.0	5.5	6.0	12.0
AV	8.0	8.0	8.0	7.0	7.0	7.0	7.0	5.5	6.0	7.0	9.0	10.0	11.0	12.0	12.5	12.0	11.5	11.0	10.0	10.0	9.0	9.5	8.0	9.0	9.0	11
SD	2.5	3.0	3.5	3.5	2.5	3.0	3.5	4.5	4.5	4.0	4.5	5.5	5.0	5.5	5.5	5.5	6.5	6.5	5.5	5.0	4.0	3.5	3.0	2.5	3.0	11

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 6
 MAY, 1980
 AEROENVIRONMENT INC.

WIND SPEED (00117)
 MILES/HOUR
 LEVEL HEIGHT : 30 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.5	7.0	6.5	5.5	5.0	4.5	3.5	6.0	10.5	9.5	11.0	10.5	10.0	11.5	8.5	11.5	9.5	4.5	7.0	10.5	5.0	6.5	7.0	6.5	7.5	11.5	
2	4.5	5.0	4.0	5.5	3.0	3.0	2.5	3.0	3.5	4.0	4.5	5.5	15.0	11.5	10.0	11.5	15.5	6.5	7.5	5.5	5.0	9.0	9.5	6.5	6.5	15.5	
3	0.5	0.5	4.0	5.0	5.5	6.5	3.5	2.5	3.5	3.5	3.5	6.0	6.5	8.0	7.0	5.5	6.0	10.5	9.0	9.5	12.0	7.5	5.5	8.5	6.5	12.0	
4	5.0	7.0	6.0	5.0	5.5	7.0	4.0	3.5	4.0	5.0	5.0	5.0	5.5	7.5	13.5	13.0	10.5	11.0	11.5	9.0	9.0	10.0	9.5	12.5	7.5	13.5	
5	9.5	6.0	4.5	3.5	6.5	9.0	8.0	4.0	3.0	5.0	5.0	4.5	6.0	8.0	12.0	12.5	6.0	7.5	6.0	7.5	6.0	7.0	7.5	7.0	7.5	17.0	
6	6.5	6.0	8.5	10.0	9.5	6.5	4.0	2.0	3.5	4.5	4.0	5.0	7.0	11.5	12.5	16.0	10.0	10.5	9.0	7.5	4.0	8.5	6.0	3.0	7.5	16.0	
7	3.0	5.5	5.0	3.5	3.0	3.5	4.0	2.0	2.5	5.0	7.0	17.0	16.0	12.5	9.5	7.5	13.0	12.0	18.5	10.0	7.5	5.0	3.5	6.0	7.5	17.0	
8	6.0	3.0	1.5	2.5	3.0	2.0	2.0	3.5	3.0	4.0	5.0	6.5	6.5	6.5	4.5	5.0	6.5	11.0	18.5	19.5	16.0	10.5	18.0	8.5	7.0	19.5	
9	4.0	9.0	4.5	5.0	6.5	5.0	3.0	4.0	5.0	10.5	21.5	21.5	15.0	18.5	19.5	19.0	10.0	7.0	6.5	7.5	6.0	6.0	5.0	3.5	9.5	21.5	
10	3.5	4.0	5.5	3.5	5.0	6.5	4.0	3.0	3.5	17.5	18.5	12.5	21.0	21.0	21.5	25.0	23.5	19.5	19.5	10.5	8.0	4.5	6.0	4.0	11.0	25.0	
11	3.5	3.0	7.5	4.5	10.5	10.5	6.0	4.5	4.0	4.5	5.0	5.5	5.5	6.0	9.5	17.0	7.5	12.5	6.0	6.5	3.5	14.5	10.5	4.0	7.0	17.0	
12	8.5	10.5	5.0	3.0	3.5	5.0	9.0	7.0	14.0	13.0	13.5	13.0	15.0	12.5	10.5	13.0	10.5	9.0	7.0	3.5	3.5	2.0	2.5	4.5	15.0		
13	2.0	3.5	4.5	7.5	7.0	6.5	4.5	6.0	5.0	5.0	5.5	7.5	5.5	6.5	5.0	4.5	19.0	18.0	7.5	8.5	12.0	12.5	9.5	8.0	7.5	19.0	
14	9.0	10.0	11.0	9.5	7.5	6.5	6.5	2.5	3.0	4.0	4.0	3.5	4.5	4.0	11.0	12.5	12.5	17.0	11.0	7.5	10.0	6.5	7.0	5.5	4.0	17.0	
15	5.0	5.5	9.0	9.5	6.5	6.5	4.0	3.5	3.5	3.5	4.0	5.5	6.0	6.0	5.5	5.0	6.5	4.0	2.5	11.5	4.0	5.5	7.0	10.5	6.0	11.5	
16	5.5	5.5	6.0	8.5	4.5	7.5	5.0	3.0	3.5	7.5	5.5	5.5	10.5	13.0	10.5	8.5	10.0	15.0	13.0	17.0	6.0	7.0	9.5	4.5	4.0	17.0	
17	10.5	11.0	7.5	15.5	13.5	10.5	9.5	13.0	10.0	4.5	3.5	4.5	5.0	7.0	4.0	4.5	4.0	4.5	3.5	4.0	3.5	4.5	5.0	10.0	7.0	15.5	
18	11.0	9.0	9.5	8.5	7.5	8.0	6.0	3.5	3.0	4.0	5.5	6.0	6.5	6.0	4.5	4.5	3.5	4.0	4.5	5.5	4.0	11.0	14.0	11.0	6.5	14.0	
19	9.0	11.0	7.5	10.0	11.0	9.0	5.5	3.5	4.0	5.0	5.5	6.5	6.5	7.5	6.5	6.0	8.5	5.5	6.5	6.0	5.0	7.0	11.0	13.0	7.5	13.0	
20	8.0	9.5	8.5	8.5	10.0	10.0	6.5	4.0	2.5	4.0	4.5	5.5	5.5	5.0	4.5	7.0	6.5	6.5	4.0	6.0	5.0	6.0	10.5	11.0	6.5	11.0	
21	10.5	7.0	7.5	9.5	11.0	8.5	4.5	3.0	3.0	3.5	4.0	3.5	5.0	6.0	5.0	5.0	5.0	4.0	4.0	5.5	9.0	11.5	14.0	12.0	7.0	14.0	
22	9.5	8.0	5.0	3.5	5.0	6.0	4.5	3.0	4.5	3.0	4.5	6.0	7.5	15.5	14.0	15.0	15.0	18.5	19.0	13.0	14.5	5.0	11.0	14.5	9.5	14.0	
23	13.5	3.5	9.0	11.5	11.0	13.5	14.0	20.0	17.0	21.5	21.0	20.0	21.0	18.5	18.5	20.0	19.0	20.0	23.5	12.0	8.5	9.0	13.0	16.0	15.5	23.5	
24	16.0	15.5	17.0	17.0	15.5	12.5	14.0	25.5	24.0	24.5	20.0	24.0	22.5	23.5	20.0	16.0	21.0	14.0	14.0	22.5	20.0	14.5	14.5	14.5	19.0	24.0	
25	10.5	12.5	15.5	9.5	5.0	11.0	13.0	14.5	16.5	16.5	17.0	18.0	19.5	18.5	17.0	17.0	11.0	10.0	4.0	7.0	9.0	9.0	4.5	6.0	12.5	19.5	
26	6.5	6.5	8.5	7.5	6.5	4.5	4.5	5.5	5.0	5.0	5.0	6.5	14.5	13.5	14.0	16.5	17.0	6.5	6.5	6.5	6.0	6.0	4.5	6.0	6.5	17.0	
27	10.5	6.5	9.0	9.0	3.5	2.5	2.0	3.0	10.5	20.0	19.5	19.5	19.0	16.5	16.0	17.0	10.0	17.0	16.5	12.0	9.5	9.5	10.5	11.0	12.5	20.0	
28	4.5	7.0	5.5	9.0	6.0	6.0	3.5	4.5	17.5	20.5	17.0	17.0	18.5	19.0	19.5	19.5	18.5	17.0	11.0	6.5	7.0	10.0	11.0	12.5	20.5		
29	13.5	13.0	7.5	5.5	8.5	8.5	14.0	5.0	5.0	10.5	10.0	13.0	14.5	14.0	12.0	13.5	14.0	12.0	11.0	10.0	11.5	10.5	12.5	9.5	5.0	10.0	14.0
30	6.5	6.5	6.5	7.0	6.0	5.5	4.0	3.0	4.0	5.0	4.5	5.5	9.0	9.0	13.5	14.5	14.5	13.0	17.5	16.0	11.0	9.0	12.0	12.0	9.0	17.5	
31	10.5	6.5	9.5	9.5	6.5	6.5	6.5	14.5	9.0	6.5	6.0	10.0	9.5	7.5	8.0	11.5	14.5	14.5	11.0	11.5	7.0	6.0	13.0	4.0	9.0	14.5	
AV	6.0	7.5	7.5	7.0	7.0	7.0	6.0	6.5	6.5	6.5	9.0	9.5	11.0	11.5	11.5	12.0	12.0	11.5	10.5	10.0	4.0	4.5	9.5	6.5	9.0	11	
30	3.5	3.0	3.0	3.5	3.0	3.0	3.5	5.5	6.5	6.5	6.0	5.5	5.5	5.0	5.5	5.0	5.0	5.0	5.5	4.5	4.0	3.0	3.5	3.5	3.0	11	

WIND SPEED (C117)

MILES/HOUR

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT #139

HONANZA, UTAH

SITE 6

JUN, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.5	9.5	10.5	10.5	9.5	8.5	4.5	5.0	4.5	6.0	7.0	11.0	12.5	9.0	14.0	13.5	9.0	7.5	16.0	11.5	8.0	10.0	9.5	12.0	9.5	16.0	
2	10.5	8.5	4.5	5.0	5.0	5.0	3.5	4.5	15.0	18.5	15.5	16.0	17.5	18.0	19.5	18.5	20.5	21.5	19.0	17.0	9.0	10.0	11.5	13.5	13.0	21.5	
3	13.0	14.0	13.5	10.5	11.5	11.5	11.0	12.5	21.0	20.0	19.5	22.5	20.5	21.5	20.5	20.0	16.0	20.0	16.5	14.0	11.0	12.0	15.0	10.5	16.0	22.5	
4	12.5	13.5	15.0	12.5	13.5	12.0	3.5	5.0	18.0	21.5	22.0	20.0	20.0	21.0	21.5	20.5	20.5	19.5	20.5	17.0	12.0	13.0	12.5	10.5	16.0	22.0	
5	11.0	7.5	8.0	11.0	14.0	12.5	7.5	4.0	4.5	7.0	16.0	18.5	20.5	17.0	19.5	21.0	21.0	20.0	20.0	17.5	14.0	13.5	11.0	11.5	11.5	21.0	
6	7.0	4.0	8.0	9.0	3.5	6.5	18.0	18.0	17.0	21.0	21.0	22.5	21.5	20.0	21.0	20.5	23.0	23.0	21.5	17.5	11.0	7.5	6.5	5.5	19.5	23.0	
7	5.0	7.5	9.0	8.0	8.0	5.0	2.5	5.0	5.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	9.0	7.0	10.5	8.5	5.5	6.5	12.0	11.5	7.5	12.0	
8	11.5	8.5	7.0	9.0	9.0	9.5	8.0	3.0	3.5	5.0	5.0	5.5	5.5	8.5	7.0	9.0	9.5	9.0	11.5	9.5	5.0	6.0	8.0	9.0	7.5	11.5	
9	7.5	8.5	9.0	8.5	10.5	11.5	5.5	3.0	4.5	4.5	5.0	6.0	6.0	7.5	9.5	8.0	9.0	6.5	9.5	9.0	7.5	12.5	14.0	10.0	14.0	17.0	
10	12.0	5.5	6.5	12.5	10.5	11.5	5.0	3.0	4.0	5.5	5.5	6.5	11.5	17.0	17.0	15.5	13.5	15.5	14.0	13.5	13.5	14.5	7.0	3.0	10.0	17.0	
11	8.0	6.0	4.5	3.0	7.5	7.5	4.5	3.5	4.5	10.5	19.0	22.0	21.5	19.5	20.5	21.0	17.0	17.0	18.0	14.5	14.0	17.0	17.0	17.0	13.0	22.0	
12	10.0	8.5	4.0	5.5	11.0	5.0	6.0	11.0	15.5	19.0	18.5	18.5	18.5	20.5	19.5	19.5	19.0	19.5	20.0	17.0	16.5	12.5	4.5	5.5	13.5	20.5	
13	8.5	9.5	9.5	7.5	10.5	8.5	5.5	3.0	3.0	6.0	17.5	20.0	21.0	18.5	20.0	17.5	20.0	19.0	17.0	17.5	18.0	12.5	11.5	9.5	13.0	21.0	
14	7.5	10.5	4.0	5.5	6.0	4.5	3.0	2.5	7.0	10.5	20.0	19.0	20.5	20.0	20.5	20.5	17.5	18.5	19.5	19.5	20.5	16.5	13.5	11.0	13.0	20.5	
15	6.0	6.0	7.0	6.0	6.0	5.0	6.5	4.0	4.0	7.5	9.0	10.5	11.0	11.0	14.5	16.5	13.5	12.0	11.5	11.5	8.0	11.5	5.5	4.5	9.0	16.5	
16	8.5	5.0	4.5	4.0	7.0	6.5	6.0	4.0	4.5	4.5	7.0	6.5	6.5	7.0	8.0	8.5	6.0	7.0	5.5	4.0	7.0	12.5	11.5	12.0	7.0	12.5	
17	9.5	9.0	9.0	9.5	8.0	8.0	3.5	2.5	4.0	4.5	4.5	5.0	5.5	8.0	8.5	10.0	8.0	5.5	2.5	2.0	8.0	9.0	11.0	13.0	7.0	13.0	
18	10.0	7.0	6.5	9.5	9.5	8.0	4.5	3.5	3.5	4.5	7.0	10.5	9.0	6.0	7.5	10.0	10.5	9.5	13.0	7.5	7.5	14.0	6.5	11.0	8.0	14.0	
19	8.5	7.0	5.5	9.0	8.5	8.5	7.5	4.0	4.5	6.0	5.0	7.5	9.5	19.0	20.5	20.0	11.5	8.0	6.0	3.5	8.0	8.0	10.5	10.0	9.0	20.5	
20	9.5	9.0	9.5	9.0	8.0	8.5	5.0	3.0	3.5	4.5	5.5	6.5	6.5	11.0	14.5	13.5	15.0	10.0	12.5	15.0	12.5	14.5	12.5	5.5	9.5	15.0	
21	6.5	5.5	7.5	8.0	10.5	6.5	7.5	4.5	4.5	6.0	8.5	6.5	6.5	8.0	14.0	17.5	15.5	16.5	17.0	17.5	12.0	8.5	7.5	4.0	6.5	10.0	17.5
22	8.5	9.5	5.0	5.5	7.0	9.0	5.5	4.0	4.5	4.5	5.5	6.5	9.5	7.0	15.0	14.5	13.0	13.5	12.0	12.0	12.0	14.0	10.0	8.0	9.0	15.0	
23	13.0	10.5	16.5	11.0	12.0	14.0	10.5	16.0	21.5	23.0	20.5	21.5	20.5	21.5	24.5	24.5	22.0	21.0	21.5	16.0	12.5	11.0	5.0	7.0	16.5	24.5	
24	10.0	12.5	11.5	9.5	8.5	7.0	5.0	2.0	18.0	18.0	16.5	12.0	11.5	19.0	19.5	17.5	17.5	17.0	17.5	12.5	17.0	12.0	12.5	3.0	13.0	19.5	
25	4.0	4.5	8.5	3.5	7.5	7.5	3.0	2.5	6.0	6.0	15.5	17.0	18.0	16.5	17.5	18.5	18.5	19.5	18.5	17.5	17.5	11.0	12.0	12.5	12.0	19.5	
26	8.5	11.0	9.5	5.5	5.5	9.0	5.0	4.0	9.5	19.0	20.5	21.0	20.0	20.5	21.0	20.0	19.0	19.5	18.5	17.0	14.0	15.5	14.5	5.0	19.0	21.0	
27	11.5	14.0	15.5	10.0	10.0	11.0	15.0	9.5	6.0	7.0	7.5	10.0	15.0	15.5	16.0	17.5	19.5	19.0	19.0	15.0	10.0	5.0	2.5	6.5	12.0	19.5	
28	7.0	11.5	11.0	9.5	8.5	9.5	5.0	4.5	6.5	4.0	5.5	6.5	8.0	8.5	9.5	8.5	8.5	8.5	4.0	4.5	3.0	7.0	6.5	3.5	11.5	7.5	11.5
29	10.0	8.5	7.5	7.0	8.5	9.5	6.0	5.5	6.0	5.0	6.5	11.5	15.0	10.5	10.0	9.0	14.0	21.0	9.0	5.5	13.0	7.0	14.5	9.0	9.5	21.0	
30	7.5	6.5	4.0	4.0	4.0	4.5	5.5	6.5	6.5	11.5	7.0	11.5	14.0	8.5	6.5	7.5	7.5	8.0	7.5	5.0	20.0	10.5	16.0	6.5	4.0	20.0	
AV	9.0	8.5	8.5	8.0	8.5	8.5	6.5	5.5	6.0	10.0	11.5	13.0	14.0	14.5	15.5	15.5	15.0	14.5	14.0	12.0	11.5	11.0	10.0	9.5	11.0	()	
90	2.0	2.5	3.5	2.5	2.5	2.5	3.5	4.0	6.0	6.5	6.5	6.0	5.5	5.5	5.0	5.0	5.0	5.5	5.5	5.0	4.5	3.0	3.5	3.5	3.0	()	

WHITE RIVER SHALE PROJECT #139
 BONANZA, UTAH
 SITE 6
 JUL, 1960
 AEROSURVEILLANCE INC.

WIND SPEED (CC117)
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

 * FINAL DATA *
 * AS OF 31/MAR/61 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.5	6.0	6.5	5.0	7.5	5.5	4.0	5.5	4.0	7.5	7.5	4.5	4.5	6.0	10.5	17.0	7.0	12.0	13.0	14.0	9.0	11.0	7.5	4.5	7.5	17.0
2	4.5	3.5	3.0	5.0	5.5	6.5	3.5	5.0	4.0	3.0	4.0	5.0	10.0	9.5	4.5	6.0	5.5	4.0	9.0	11.5	11.0	12.0	11.5	9.0	6.5	12.0
3	9.0	6.5	5.0	6.0	5.0	4.0	3.0	2.5	4.5	5.5	5.5	7.5	6.0	6.5	8.0	14.5	11.0	11.0	11.0	6.0	7.0	7.5	4.5	5.5	6.5	14.5
4	6.5	6.0	15.0	22.0	17.0	14.0	16.5	9.0	5.5	5.5	5.0	7.5	8.5	11.0	9.0	5.5	8.5	6.5	7.5	7.5	11.0	10.5	14.0	8.5	10.0	22.0
5	8.5	6.0	5.0	5.5	7.0	7.0	4.5	3.5	4.5	5.5	8.0	8.5	9.5	17.0	16.5	17.0	16.0	12.5	8.5	12.5	16.0	12.0	6.5	10.0	14.5	
6	4.0	5.5	5.0	7.5	8.0	11.0	4.5	3.0	3.5	4.5	5.5	4.0	10.0	14.5	14.0	5.5	20.5	13.5	9.5	6.5	6.5	6.0	6.0	8.0	20.5	
7	10.5	10.5	4.5	11.0	9.5	7.5	4.0	3.5	3.0	2.5	3.5	8.0	20.0	22.5	16.0	12.5	16.5	17.0	14.0	11.5	12.5	5.0	2.5	14.5	10.0	22.5
8	12.5	12.5	9.0	5.5	4.0	3.0	5.0	5.5	11.0	12.0	12.0	11.0	9.5	12.5	13.5	17.0	16.5	17.0	22.5	5.0	10.5	7.5	5.0	5.0	10.0	22.5
9	5.0	8.5	10.5	8.0	7.0	4.5	4.0	3.5	4.5	5.0	5.5	7.0	9.0	7.5	6.0	8.0	6.0	7.5	7.5	7.5	9.0	11.0	4.5	6.0	7.0	11.0
10	7.5	9.5	8.5	9.0	6.0	7.0	7.0	3.0	4.0	3.5	5.5	8.5	10.0	15.5	15.0	12.5	14.5	17.0	17.0	14.0	6.5	6.5	4.5	4.0	9.0	17.0
11	4.0	7.5	8.5	10.0	8.0	5.5	5.5	3.0	5.0	4.0	6.0	7.5	9.5	7.0	18.0	15.5	9.0	7.0	6.0	4.0	4.0	5.5	10.5	13.0	7.5	14.0
12	13.5	4.5	5.0	7.5	7.0	6.5	5.5	9.5	12.5	10.5	10.0	14.0	4.5	17.0	16.0	15.0	17.0	15.0	5.0	3.5	12.0	15.5	12.5	5.5	10.0	14.0
13	3.5	3.5	7.0	4.0	3.5	12.0	10.5	4.0	6.5	15.5	9.0	6.0	9.5	17.0	22.0	13.0	11.0	13.5	8.5	10.0	6.5	14.0	10.5	6.0	10.0	27.0
14	3.0	5.0	5.0	5.0	4.0	6.5	6.5	3.5	8.5	11.5	9.0	11.0	14.0	17.5	19.5	20.5	16.0	15.5	16.0	13.0	11.5	8.0	9.0	5.0	10.0	20.5
15	9.0	7.5	6.0	4.0	6.5	6.5	5.5	2.0	3.0	5.0	8.5	11.0	11.5	11.5	14.5	14.0	16.5	15.0	13.5	15.0	11.0	6.5	5.5	11.0	9.0	16.5
16	8.5	9.5	11.0	10.0	11.5	10.5	5.5	3.5	4.5	6.0	5.5	6.0	8.0	11.5	9.0	9.0	9.5	5.5	4.0	3.0	6.0	11.5	13.0	7.5	8.0	13.0
17	10.5	9.5	9.5	11.5	13.0	11.5	4.5	3.5	3.5	5.5	7.0	9.0	9.0	10.5	9.0	13.0	17.0	17.5	14.0	12.0	10.0	3.5	4.0	4.0	9.5	17.5
18	7.0	4.5	3.5	5.0	4.5	6.0	5.0	4.0	4.0	3.0	4.5	6.5	9.0	11.5	9.0	13.0	13.0	10.0	11.5	6.0	12.5	13.0	6.0	6.5	7.5	13.0
19	6.0	4.5	2.5	7.0	5.5	3.0	4.5	4.5	5.0	9.0	10.5	12.5	11.0	15.0	17.0	16.0	14.5	13.5	14.0	16.0	14.0	10.0	7.0	4.0	9.5	12.0
20	9.5	7.5	8.5	8.0	7.0	7.0	4.5	3.0	5.5	4.5	5.0	6.0	7.0	10.0	13.0	10.5	8.5	7.0	6.5	5.5	6.0	3.5	7.0	7.5	13.0	
21	11.5	11.5	9.5	11.0	9.5	7.5	3.0	4.0	6.5	6.5	5.0	7.0	7.5	8.5	12.5	11.5	11.0	9.5	7.5	2.0	4.5	8.5	11.0	9.5	8.0	12.5
22	9.5	13.5	9.5	11.0	4.5	5.5	3.5	3.0	4.5	6.0	6.5	8.5	13.5	12.5	13.0	13.5	14.5	12.5	11.5	6.0	4.0	4.0	5.0	6.0	4.5	14.5
23	9.5	9.5	8.0	3.5	4.0	7.0	7.0	3.5	3.0	4.5	4.5	8.5	6.0	10.0	16.5	22.5	10.0	9.0	8.0	4.5	6.0	4.0	5.0	6.0	8.0	24.5
24	8.0	9.0	10.0	7.5	10.0	7.0	5.5	4.0	5.0	6.5	6.0	6.5	8.0	10.5	14.5	10.0	6.0	14.5	19.0	20.5	19.5	6.5	5.5	5.5	9.5	20.5
25	6.5	7.5	9.5	9.0	8.0	8.5	5.5	6.0	5.0	6.0	5.0	7.0	8.5	10.0	12.0	9.0	9.5	4.5	7.5	9.0	11.0	12.5	7.0	8.0	12.5	
26	6.5	7.0	10.5	9.5	6.0	8.5	7.0	4.0	3.0	6.5	4.5	4.5	8.0	10.5	13.5	13.5	11.0	14.0	8.0	13.5	11.5	5.5	7.0	9.5	8.5	14.0
27	10.0	11.0	9.5	9.0	10.0	10.5	4.5	3.5	3.0	3.5	5.5	6.5	7.5	8.5	7.5	7.0	11.0	8.5	5.0	6.5	5.0	10.0	11.5	11.5	7.5	11.5
28	10.0	10.0	12.5	8.5	10.0	11.5	7.5	4.0	3.5	4.5	6.0	6.0	10.0	11.5	11.5	10.0	8.5	6.0	4.0	7.5	12.5	14.0	8.5	8.5	14.0	
29	5.0	6.5	8.5	10.0	9.5	7.0	4.5	4.0	5.0	4.5	6.5	9.0	11.0	20.0	20.0	9.0	15.5	10.5	9.5	4.0	6.5	9.0	6.5	7.5	8.5	20.0
30	8.0	4.5	3.5	9.0	8.5	6.0	5.0	4.0	4.5	6.0	6.0	8.0	8.0	11.0	11.0	12.0	11.0	11.5	10.5	6.0	5.5	7.5	10.5	11.0	4.0	15.0
31	8.5	8.5	8.5	11.5	8.5	10.0	7.5	4.0	3.5	4.5	6.5	6.5	4.0	6.5	4.0	7.5	8.5	14.0	13.0	12.0	7.5	3.5	5.0	9.0	7.5	14.0
AV	7.5	7.5	7.5	8.0	7.5	7.5	5.5	4.0	5.0	6.0	6.5	7.5	9.0	11.5	13.0	12.5	12.0	11.5	10.5	9.0	9.0	9.0	4.0	7.5	4.5	11.0
SD	2.5	2.5	3.0	3.5	3.0	2.5	2.5	1.5	2.0	3.0	2.0	2.0	3.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	3.5	3.5	3.5	2.5	1.0	1.0

ABOUT (29 JAN 61)

WIND SPEED (C8171)

MILES/HOUR
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

AUG. 1980

AEROENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	7.5	6.5	6.5	9.5	9.5	9.5	5.5	4.0	2.5	3.5	3.5	7.0	8.0	8.0	10.5	13.0	16.0	18.5	7.5	8.0	13.0	9.0	5.5	7.0	8.5	18.5
2	8.5	6.5	6.0	7.0	10.5	9.5	5.0	4.0	5.0	5.0	5.0	8.0	10.5	18.0	11.5	9.0	11.0	15.0	16.5	10.0	7.0	4.0	4.0	10.0	8.5	16.5
3	8.0	9.0	11.0	7.0	10.5	11.5	8.5	2.5	3.0	3.5	6.0	16.0	23.0	23.0	23.5	23.5	26.0	25.0	23.5	19.5	15.5	17.5	6.5	8.0	14.0	26.0
4	6.5	5.5	6.0	9.5	7.0	4.5	5.0	2.5	4.0	8.5	9.5	12.0	11.5	11.5	12.5	12.0	13.0	16.5	17.0	16.0	9.5	4.5	10.5	11.5	9.5	17.0
5	11.0	14.5	7.5	7.0	6.5	8.0	5.5	5.5	3.5	5.0	6.5	8.5	9.5	8.0	7.0	10.0	16.5	15.5	14.5	11.0	11.5	12.5	11.0	7.5	9.5	16.5
6	4.0	4.5	6.5	4.0	7.0	4.5	7.5	3.5	4.5	10.0	8.5	10.0	10.5	19.0	17.5	16.5	14.0	14.0	12.5	10.0	11.5	14.0	9.5	5.0	9.5	18.0
7	4.5	7.0	10.0	10.5	8.0	5.5	7.0	3.5	4.5	5.5	8.5	7.0	8.5	6.5	6.5	6.5	7.5	6.0	6.0	6.5	6.0	6.5	7.0	7.0	9.5	11.5
8	10.0	9.0	7.0	7.5	9.0	8.5	7.0	4.0	4.0	4.5	5.5	8.0	11.0	13.5	17.5	17.0	14.0	7.0	8.0	5.0	6.5	8.0	11.5	8.0	9.0	17.5
9	9.0	14.0	9.0	5.5	5.0	5.0	5.0	9.5	12.5	13.0	12.5	11.0	11.0	12.0	14.5	17.0	17.0	13.0	10.0	6.5	4.5	5.5	6.5	6.5	10.0	17.0
10	11.0	6.5	9.0	8.0	6.5	6.0	9.0	5.5	3.5	4.0	4.5	6.5	15.5	15.5	16.5	17.0	16.0	16.0	15.0	14.0	5.0	9.0	10.5	10.5	10.5	17.0
11	7.5	4.5	8.0	9.5	8.0	7.5	6.5	4.0	4.5	4.0	4.5	4.5	8.0	6.5	6.5	7.0	7.5	5.5	4.5	7.0	8.0	14.5	15.5	14.5	7.5	15.5
12	9.5	10.5	10.5	7.5	6.0	7.0	6.0	4.5	4.0	12.0	10.5	10.5	12.5	13.5	9.5	8.0	14.0	10.5	9.5	8.5	13.0	17.0	18.5	5.5	10.0	17.0
13	3.5	5.0	4.0	7.5	3.5	4.0	6.0	3.0	3.0	4.0	6.5	7.0	9.5	6.0	17.0	17.0	15.5	15.0	11.5	7.0	9.5	14.5	8.0	6.0	8.5	17.0
14	4.0	5.0	5.0	2.5	4.0	6.0	7.0	6.0	4.0	5.5	5.5	8.5	6.5	7.0	12.5	12.0	10.5	10.5	15.0	17.5	10.0	5.5	6.5	4.0	7.5	17.5
15	6.0	5.5	11.5	14.0	14.5	9.5	6.5	2.5	3.0	4.0	8.0	7.0	13.5	16.0	20.0	19.0	16.5	16.5	7.0	11.0	14.5	9.0	10.0	7.0	10.5	20.0
16	7.0	8.5	9.0	8.0	10.0	7.0	10.0	7.0	4.5	5.0	8.5	9.0	9.5	9.0	11.5	10.5	10.0	6.5	6.5	7.5	13.0	9.0	7.0	6.0	8.5	13.0
17	7.0	8.5	12.0	9.0	8.5	7.5	6.5	3.5	3.0	4.0	5.0	5.0	4.5	7.0	10.5	8.0	7.5	6.0	7.0	9.5	7.5	10.0	7.5	9.5	7.5	12.0
18	8.0	6.5	6.0	5.5	2.5	4.0	3.5	4.5	4.5	9.5	17.0	18.0	20.5	20.0	22.0	22.0	22.5	21.5	18.5	17.0	19.0	12.5	11.5	12.0	12.5	22.5
19	11.5	13.5	14.0	12.0	11.0	13.5	13.5	17.5	21.0	22.0	19.5	21.5	19.5	18.5	23.5	17.0	9.5	22.0	11.0	6.5	9.0	6.0	5.5	14.5	23.5	
20	3.0	6.5	8.5	11.0	10.0	11.0	11.0	7.5	4.5	7.0	6.0	8.5	9.0	10.0	7.0	5.5	5.0	5.0	5.0	5.5	7.0	6.5	6.5	11.0	7.5	11.0
21	14.0	11.5	9.0	11.0	9.0	9.5	10.0	3.5	3.0	4.0	4.5	6.0	5.5	6.0	8.0	9.0	8.5	5.0	6.0	6.0	8.5	13.0	13.5	10.5	8.5	14.0
22	11.0	8.5	9.5	9.5	9.0	7.0	5.0	3.0	3.0	4.0	5.0	5.0	13.0	17.0	20.5	18.5	19.0	18.0	18.5	14.0	12.0	13.5	8.0	5.0	10.5	20.5
23	11.0	8.0	6.0	7.0	5.5	4.0	3.5	4.0	9.5	13.5	16.5	13.0	15.0	14.5	17.5	14.0	5.5	12.5	14.5	11.5	12.5	17.5	8.5	8.0	10.5	17.5
24	4.5	3.0	4.0	3.5	4.5	3.5	5.0	2.5	2.5	5.0	6.5	7.5	8.5	5.5	8.0	10.0	10.5	10.0	13.0	9.5	6.5	6.0	14.0	14.0	7.0	14.0
25	4.5	4.0	7.0	11.0	7.0	5.0	6.5	4.0	3.5	3.0	4.5	14.5	9.5	9.5	7.5	9.5	11.5	5.5	4.0	2.5	6.5	9.5	7.0	5.0	7.0	14.5
26	4.0	5.5	7.5	6.0	6.5	7.5	6.5	5.0	3.5	3.0	3.5	4.0	4.5	5.0	6.0	10.0	16.5	11.0	13.0	5.5	6.5	7.0	9.5	9.0	7.0	16.5
27	7.5	9.0	10.0	8.0	10.0	8.0	7.5	3.5	3.0	4.0	5.0	4.5	5.0	4.5	11.0	16.5	16.0	14.0	7.5	10.0	6.0	5.0	4.5	3.5	7.5	16.5
28	5.0	5.0	2.0	3.5	4.0	4.0	4.0	6.0	6.0	4.0	3.5	10.0	19.0	21.5	19.5	20.5	19.5	18.0	16.0	14.5	15.0	16.5	15.5	11.0	21.5	
29	13.5	13.5	15.0	15.0	9.0	3.5	2.5	3.0	3.5	7.5	13.0	12.0	14.0	17.5	20.0	17.0	16.5	15.5	13.0	10.5	13.0	5.0	3.0	3.0	11.0	20.0
30	5.0	3.0	3.5	6.0	3.5	4.0	6.0	6.5	4.0	3.5	3.5	4.5	8.5	6.5	11.0	19.5	18.0	17.0	20.5	12.0	5.5	4.0	3.5	6.0	8.0	20.5
31	5.5	10.5	8.0	8.0	9.0	8.0	8.0	6.0	2.5	4.0	3.5	3.5	6.5	6.5	11.5	12.5	16.0	11.5	9.0	6.0	6.5	10.5	7.5	6.5	7.5	16.0
AV	7.5	7.5	8.0	8.0	7.5	7.0	6.5	5.0	4.5	6.5	7.5	9.0	11.0	12.0	13.5	14.0	13.5	13.0	11.5	10.0	10.0	9.5	9.0	8.0	9.0	()
30	3.0	3.0	3.0	3.0	2.5	2.5	3.0	3.5	4.0	4.0	4.0	4.0	4.5	5.0	5.5	5.0	5.0	5.5	5.0	4.0	3.0	4.0	1.5	3.0	2.0	()

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 SEP, 1960
 AEROVIRONMENT INC.

WIND SPEED (CC117)
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

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 * FINAL DATA *
 * AS OF 31/MAR/61 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.5	7.5	9.0	10.5	7.5	7.0	11.5	4.5	3.5	3.5	4.5	7.0	0.5	6.5	6.0	5.5	5.0	4.0	2.5	4.5	6.5	5.5	7.5	7.5	6.5	11.5	
2	7.5	10.0	10.5	9.0	5.0	9.0	7.0	3.5	3.0	4.0	4.5	7.0	0.5	10.5	15.0	18.5	17.5	17.5	11.5	11.0	11.5	10.5	9.5	4.5	9.5	18.5	
3	3.0	4.0	4.0	3.5	3.0	9.0	6.0	4.5	2.5	5.5	7.5	6.0	0.5	12.0	17.0	13.5	12.5	12.5	12.5	11.0	6.5	0.0	12.0	0.5	0.0	17.0	
4	10.5	10.0	10.5	11.5	8.5	10.5	9.0	7.0	3.5	4.0	4.5	4.0	4.5	7.0	10.0	9.0	6.5	4.0	3.0	5.5	12.0	12.0	11.5	8.0	12.0	12.0	
5	8.0	10.5	9.0	9.0	9.5	8.0	7.5	5.5	2.5	4.5	4.0	5.0	4.5	5.5	7.5	8.0	6.5	7.5	8.5	5.0	10.0	13.5	8.5	5.0	7.0	13.5	
6	5.5	6.0	4.5	6.0	8.5	10.5	6.0	5.5	6.0	11.0	10.5	9.0	8.5	10.0	12.0	16.0	10.0	8.5	5.5	6.0	11.0	8.5	6.0	11.0	8.5	16.0	
7	11.0	7.0	5.5	3.0	3.5	6.0	6.0	3.0	3.5	9.0	6.0	4.5	3.0	5.0	4.0	1.0	10.0	6.0	6.0	3.5	6.0	5.5	6.5	5.0	5.5	11.0	
8	9.0	6.0	6.5	8.0	8.5	3.5	2.5	4.0	11.0	8.0	5.5	3.5	4.0	3.0	2.5	2.0	3.0	2.0	6.5	3.5	1.5	3.0	5.5	6.5	5.0	11.0	
9	7.5	6.0	4.5	2.0	2.5	3.5	3.5	3.0	4.5	5.5	4.5	5.5	5.0	11.0	10.5	7.5	5.0	5.0	5.0	9.0	4.0	3.0	3.0	2.5	5.0	11.0	
10	3.0	1.5	3.5	4.5	4.0	2.5	3.0	2.0	3.5	2.5	14.5	6.0	6.5	4.5	6.0	4.5	3.5	9.5	11.0	7.0	7.0	5.5	6.0	10.5	5.5	14.5	
11	7.0	4.5	7.0	5.5	4.5	1.0	2.0	1.5	3.0	13.5	17.5	16.5	17.5	19.0	16.0	17.0	15.0	7.0	4.5	8.0	7.5	7.5	8.5	8.0	9.0	19.0	
12	7.5	9.0	7.5	6.0	4.5	4.5	3.5	5.0	3.5	7.0	5.5	4.5	6.0	6.0	5.0	5.0	10.0	7.5	4.0	10.5	7.5	10.0	10.0	6.5	6.5	10.5	
13	5.0	8.0	6.5	4.0	4.5	6.0	4.5	3.0	2.5	4.0	4.0	14.0	20.5	19.0	18.0	19.0	18.5	14.5	13.0	9.0	10.5	12.5	12.5	11.0	10.0	20.5	
14	10.0	7.0	10.0	10.0	5.0	5.0	8.5	6.5	4.5	6.0	15.5	14.0	10.5	9.0	10.0	9.5	7.0	5.0	2.5	9.0	8.5	6.0	7.5	7.0	8.0	15.5	
15	8.0	7.5	6.0	8.5	8.0	6.5	8.0	4.0	4.5	4.0	5.0	6.0	8.5	12.0	14.0	14.5	12.0	12.5	11.0	11.0	8.0	8.0	4.5	3.5	8.0	14.5	
16	5.5	4.5	3.0	3.0	7.0	6.5	8.5	5.5	4.5	9.0	19.0	20.5	20.0	17.0	18.0	18.5	17.0	17.5	19.5	18.0	15.0	10.5	10.0	7.5	12.0	20.5	
17	9.5	10.0	9.0	10.0	9.5	11.5	11.5	6.0	3.5	5.0	8.5	10.5	11.0	12.5	10.0	8.0	7.0	11.5	5.5	4.0	8.5	12.5	10.5	8.5	9.0	12.5	
18	9.5	10.5	12.5	8.0	8.5	6.5	8.0	4.0	3.0	3.5	4.0	4.5	9.0	10.0	19.5	19.5	18.0	14.5	12.5	10.0	15.0	19.0	18.5	15.0	11.0	19.5	
19	14.0	13.0	14.5	16.5	17.0	17.0	16.0	14.5	17.0	20.5	19.5	19.0	20.5	20.5	19.0	19.0	15.0	11.0	8.0	10.5	14.5	16.0	9.0	5.0	15.5	20.5	
20	7.5	4.0	5.0	6.5	10.5	10.0	7.5	4.0	2.5	4.0	5.0	8.0	6.0	6.0	7.5	7.0	5.0	4.0	7.0	10.5	9.5	8.5	11.5	10.5	7.0	11.5	
21	6.0	8.5	6.0	3.0	5.0	3.0	7.5	4.0	2.0	6.5	12.0	12.5	14.0	13.0	20.0	19.5	10.5	10.5	11.0	11.5	12.0	4.0	3.5	1.5	8.5	20.0	
22	1.5	2.5	1.0	1.5	2.0	.5	.5	.5	1.5	3.0	7.0	6.0	5.5	6.5	5.5	5.0	4.5	5.0	5.0	5.0	11.0	9.0	11.0	11.0	4.5	11.0	
23	11.5	9.5	11.0	11.0	9.0	6.5	6.0	5.5	3.0	3.0	3.0	2.5	6.5	8.0	6.0	5.0	4.5	6.0	6.0	3.5	7.0	7.0	1.5	6.0	6.0	11.5	
24	9.5	11.5	11.5	10.0	9.0	9.0	10.0	5.0	1.5	.5	5.5	11.5	16.0	15.0	8.5	6.5	4.0	2.5	4.0	8.0	11.5	7.5	10.0	2.5	8.0	16.0	
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
27	9.5	10.5	12.5	6.5	7.0	7.0	4.5	3.5	2.0	3.0	4.5	4.0	7.0	6.0	6.5	8.0	6.0	5.5	3.5	8.5	10.5	11.0	10.5	9.5	7.0	12.5	
28	12.5	11.0	12.5	10.0	6.0	4.5	7.0	3.0	3.0	3.5	4.0	4.5	6.0	8.5	6.0	7.5	7.5	4.5	5.0	9.5	9.5	8.0	7.0	7.0	7.0	12.5	
29	8.0	9.5	11.0	11.5	6.0	10.0	11.5	6.0	4.0	3.5	4.5	6.5	7.5	6.5	6.0	7.0	7.5	6.5	4.0	6.0	10.5	13.0	11.5	11.5	8.0	13.0	
30	10.5	12.0	9.5	7.0	5.5	7.5	9.5	5.0	3.0	3.5	4.0	4.5	5.0	6.0	6.0	7.0	5.5	5.0	4.5	9.0	7.0	10.0	8.5	4.5	7.0	12.0	
AV	6.0	6.0	6.0	7.5	6.5	7.0	7.0	4.5	4.0	5.5	7.5	6.0	9.0	9.5	10.5	10.5	9.0	6.0	7.0	8.5	9.5	9.0	6.5	7.5	6.0	11.0	
SD	3.0	3.0	3.5	3.5	3.0	3.5	3.5	2.5	3.0	4.0	5.0	5.0	5.0	4.5	5.0	6.0	4.5	4.5	4.0	3.0	3.0	3.5	3.5	3.0	2.0	11.0	

ABOUT (29 JAN 61)

WIND SPEED (CC117)
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 6
 OCT. 1980
 AEROTECHNICAL INC.

.....
 * FIDAL DATA
 * AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	11.0	10.5	6.0	7.0	6.5	11.0	6.5	4.5	3.5	3.5	5.5	5.5	5.5	4.5	6.5	3.5	4.5	7.5	4.5	4.0	4.0	4.5	5.0	7.0	6.0	11.0
2	7.0	9.0	6.0	4.0	5.5	6.0	9.0	15.0	13.0	11.0	11.5	6.5	6.0	7.0	4.5	4.5	3.0	2.0	3.0	8.0	10.0	8.5	10.0	11.5	7.5	15.0
3	10.0	9.0	6.5	6.0	8.5	8.0	4.5	5.5	3.0	3.0	4.0	5.0	4.5	5.0	5.0	5.0	2.5	2.0	4.5	7.5	11.0	9.5	9.0	11.0	6.0	11.0
4	10.5	10.0	8.0	9.5	8.0	5.0	5.5	7.5	3.0	3.5	3.0	4.0	5.0	6.0	5.5	7.5	3.5	4.5	3.0	12.0	10.5	11.0	11.0	12.0	7.0	12.0
5	11.0	9.5	10.5	12.0	8.0	7.5	9.5	7.0	3.0	3.5	4.0	5.0	5.0	6.0	7.5	7.5	6.0	5.0	3.0	6.5	11.0	12.0	12.0	12.5	7.5	12.5
6	7.0	9.0	9.5	9.5	10.5	14.0	11.0	6.5	2.5	1.5	4.0	5.5	7.0	6.5	6.0	6.0	6.5	5.5	3.5	8.0	12.5	14.5	12.0	11.0	8.0	18.5
7	11.5	11.0	7.5	7.5	6.5	9.5	7.5	4.0	2.5	2.5	3.0	5.0	4.5	5.5	6.0	6.0	3.0	3.0	2.5	9.0	12.0	11.5	11.5	11.5	7.0	12.0
8	10.0	13.5	9.5	9.0	10.5	6.5	8.0	4.0	2.5	3.0	4.0	4.5	6.5	5.0	3.5	3.0	3.0	3.0	4.0	10.5	11.0	9.5	8.5	10.5	7.0	13.5
9	11.0	12.0	8.0	5.5	4.0	5.0	7.0	7.5	3.5	3.0	5.0	4.5	4.5	4.5	7.5	7.5	6.5	4.5	3.0	4.5	4.5	6.5	10.0	12.0	6.5	12.0
10	12.5	6.5	3.0	3.5	4.0	3.5	6.5	3.5	7.5	10.5	9.0	7.5	5.5	5.5	5.5	6.0	4.0	5.0	3.0	5.0	9.5	9.5	10.5	11.5	6.5	12.5
11	10.0	12.5	7.0	12.5	10.0	2.5	5.5	5.5	5.5	1.0	1.0	1.5	7.5	5.0	3.0	2.0	4.5	6.5	6.5	4.0	5.0	5.0	3.0	2.5	4.5	12.5
12	2.0	2.5	2.0	2.5	3.0	3.5	3.0	3.5	4.5	6.5	6.5	10.5	9.5	4.0	4.5	9.0	13.0	6.5	3.5	3.5	7.5	8.0	5.5	8.0	5.5	13.0
13	5.0	11.5	9.5	4.0	4.0	3.5	5.0	3.0	3.5	5.5	5.5	7.5	6.5	6.5	8.5	4.0	5.5	9.0	6.0	11.5	11.0	11.0	5.5	5.0	6.5	11.5
14	4.0	6.5	7.0	6.5	5.5	3.0	2.5	3.0	2.5	4.5	4.0	9.5	4.5	8.0	6.5	10.5	10.0	22.0	16.0	10.5	7.5	5.0	8.5	10.5	7.5	22.0
15	6.5	7.0	9.0	3.5	7.0	12.5	15.5	4.5	7.0	10.0	11.5	15.0	15.0	19.5	14.5	14.0	9.5	8.5	4.5	5.5	6.0	5.5	6.0	4.5	9.5	19.5
16	7.0	8.0	2.0	8.0	7.5	4.5	9.0	5.0	6.0	8.5	7.5	6.5	6.5	5.5	6.0	5.5	5.5	8.5	12.5	15.0	15.0	14.5	13.5	14.0	8.5	15.0
17	13.5	6.5	3.5	7.0	6.0	9.0	8.5	7.0	5.5	8.5	11.0	11.0	11.5	14.5	16.5	17.0	13.0	11.0	14.5	15.0	9.0	7.0	6.5	7.0	10.0	17.0
18	9.0	9.5	9.0	9.5	11.0	9.5	8.5	6.5	6.5	5.5	2.5	4.0	6.0	2.5	2.5	5.5	2.0	5.5	2.0	9.5	8.5	4.5	9.0	11.0	6.5	11.0
19	10.0	5.5	7.5	6.5	8.0	5.5	7.0	4.5	3.0	3.0	5.0	4.5	5.0	6.5	8.0	5.5	5.5	6.0	3.0	7.5	10.0	12.0	13.5	9.5	7.0	13.5
20	10.0	6.5	10.0	8.5	7.0	5.0	7.5	6.0	3.5	3.5	3.5	4.5	5.0	5.5	4.0	3.0	2.0	4.0	4.0	9.0	9.0	7.5	10.0	10.0	6.5	10.0
21	9.5	12.0	8.0	6.0	11.5	7.0	3.0	6.5	4.0	2.5	4.5	4.5	4.5	5.0	5.0	5.0	3.0	5.5	7.5	7.0	3.0	6.0	8.0	5.5	6.0	12.0
22	6.0	6.0	4.0	5.5	6.5	6.5	4.0	6.0	4.0	5.0	15.5	19.0	16.0	17.5	23.0	23.0	25.0	24.0	17.0	18.0	10.5	5.0	3.5	4.0	11.5	25.0
23	4.0	2.5	5.5	5.5	9.5	7.0	1.5	6.5	6.5	6.5	10.0	4.0	6.5	4.5	4.5	4.5	4.5	3.0	5.5	4.0	4.5	9.0	12.0	7.5	5.0	12.0
24	1.5	1.0	5.5	8.5	9.5	5.0	5.5	3.5	2.5	3.0	4.0	3.5	5.0	5.5	5.0	7.0	7.0	7.0	3.5	6.5	8.5	6.0	9.5	11.0	5.5	11.0
25	13.0	9.5	9.0	7.0	6.5	8.0	6.5	3.5	3.0	3.0	4.5	5.5	6.0	7.0	7.0	6.5	2.5	1.0	5.5	8.5	10.0	7.0	6.0	8.5	6.5	13.0
26	5.5	4.5	4.5	4.0	3.0	4.0	2.5	4.5	2.0	1.5	5.0	6.5	4.0	6.5	7.5	4.5	2.0	3.5	4.5	1.0	1.0	3.5	4.0	1.5	4.0	9.0
27	3.0	4.5	6.0	6.0	7.5	6.5	2.5	3.0	4.0	12.0	12.0	13.0	13.5	16.0	14.0	17.0	17.0	16.0	12.5	12.0	11.5	11.0	6.5	6.0	9.5	17.0
28	9.0	5.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.0	5.0	5.0	4.0	4.5	5.0	3.5	6.0	4.0	5.5	10.5	10.0	10.0	11.0	5.0	11.0
29	7.5	7.5	5.5	4.5	5.5	4.0	4.0	5.0	3.5	2.5	4.5	4.0	5.0	4.0	4.0	4.0	4.0	5.0	3.5	6.0	7.5	8.0	10.5	11.5	5.5	11.5
30	5.5	8.5	6.5	4.0	5.5	6.0	5.0	3.5	2.0	2.5	3.5	4.5	5.5	4.0	3.0	4.0	2.0	5.5	2.5	6.5	8.0	10.0	9.0	12.5	5.5	12.5
31	9.5	10.5	4.5	6.0	7.0	7.5	5.0	7.0	3.0	2.5	3.0	3.5	4.5	5.0	4.0	6.0	5.5	4.0	4.0	7.0	6.0	9.5	9.5	8.5	6.0	10.5
AV	8.0	8.0	6.5	6.5	7.0	6.5	6.0	5.0	4.0	4.5	6.0	6.5	7.0	7.0	7.0	7.0	6.0	6.5	6.0	7.5	8.5	6.5	8.5	9.0	7.0	11.0
SD	3.0	3.0	3.0	2.5	2.5	3.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5	4.0	4.5	4.5	5.0	5.5	4.0	3.0	3.0	3.0	3.0	3.5	1.5	1.0

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 NOV. 1980
 AEROENVIRONMENT INC.

WIND SPEED (CC117)
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE PEAK		
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	11.5	6.5	7.5	10.5	9.0	5.5	7.0	4.5	3.0	3.0	4.5	5.0	5.0	4.0	2.5	3.0	4.5	2.5	4.5	10.0	10.5	9.5	7.0	5.0	6.0	11.5	
2	5.5	7.0	7.5	8.5	5.0	6.5	6.0	4.0	4.5	3.0	3.0	4.5	4.5	4.5	3.5	2.5	2.5	7.5	4.5	7.5	8.5	5.0	12.0	13.0	6.0	13.0	
3	7.0	7.5	8.5	8.0	5.5	5.5	6.0	5.5	4.5	3.0	4.0	4.5	4.0	2.5	3.5	2.5	2.5	3.0	6.5	9.0	10.5	10.0	10.0	10.0	6.0	10.5	
4	9.5	8.5	9.0	6.0	6.0	5.0	4.5	5.0	4.5	3.0	4.0	4.5	4.0	3.5	5.0	5.5	3.5	3.5	8.0	9.0	9.5	11.5	11.0	6.5	11.5		
5	11.0	8.5	8.5	9.5	6.5	4.5	4.5	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	4.0	5.5	4.0	7.0	6.0	3.5	5.5	11.0		
6	3.0	3.0	3.5	5.0	5.5	5.0	2.5	2.0	3.0	3.5	4.0	3.5	4.0	6.5	15.0	14.0	11.0	15.5	9.5	4.5	4.0	3.0	4.5	6.5	15.5		
7	8.0	8.0	7.5	11.5	13.5	9.5	9.5	12.5	13.5	16.0	17.0	18.0	18.0	18.5	17.5	14.5	8.0	5.5	7.5	11.5	10.5	14.5	13.0	12.0	18.5		
8	7.0	6.0	7.5	6.0	9.5	5.0	5.5	7.0	2.5	3.0	3.5	5.0	5.0	5.0	3.5	2.0	2.5	2.0	2.5	2.0	2.5	5.0	3.5	5.0	6.0	9.5	
9	3.5	2.5	3.0	4.5	3.0	4.0	3.0	2.0	2.0	3.5	4.0	5.0	6.0	6.0	4.0	2.5	3.0	3.0	6.0	10.0	8.5	12.5	10.5	8.0	5.0	12.5	
10	6.0	3.5	4.0	3.0	4.0	4.5	3.0	5.5	2.0	2.0	2.5	2.5	5.0	4.0	2.5	1.5	2.5	2.0	6.5	9.0	8.5	6.5	2.5	2.5	4.0	9.0	
11	2.0	2.0	6.0	6.0	9.5	10.0	7.5	8.0	2.5	3.5	17.0	18.0	16.0	16.0	18.0	13.0	14.5	11.5	7.5	9.0	7.5	10.0	10.0	9.5	10.5	19.0	
12	3.0	3.5	6.0	6.5	12.0	13.5	11.0	9.5	16.5	19.0	17.0	12.5	10.5	9.0	9.0	11.0	10.0	11.0	12.5	11.5	11.5	5.5	2.5	4.0	4.0	9.5	
13	6.5	3.5	3.0	2.0	2.5	3.5	3.5	7.0	7.0	4.5	5.5	7.0	6.0	6.0	6.0	3.5	5.5	11.5	11.5	6.0	7.5	5.5	4.0	4.0	5.5	11.5	
14	5.5	7.5	7.0	7.5	7.5	8.0	9.5	5.5	3.0	4.5	4.5	5.0	6.5	6.5	6.5	6.5	9.0	9.0	6.0	7.5	8.5	6.5	7.0	5.5	7.0	9.5	
15	5.0	3.5	2.0	3.0	2.5	3.5	3.0	2.5	3.5	6.0	7.0	5.0	5.0	5.5	3.0	3.0	6.0	6.0	5.5	4.0	4.5	4.5	3.0	3.5	4.0	7.0	
16	5.0	4.0	7.5	5.5	7.0	9.0	10.5	7.0	6.0	3.5	4.0	4.0	4.0	4.0	3.5	3.0	1.5	3.5	5.0	9.5	10.5	12.5	7.5	12.0	6.0	12.5	
17	10.0	7.5	6.5	9.0	11.0	5.5	4.0	6.5	5.0	2.5	3.0	3.5	6.0	4.5	4.5	5.0	3.5	3.5	6.5	8.5	8.5	9.0	11.0	10.5	6.5	11.0	
18	6.0	9.5	9.5	9.0	7.0	5.5	7.0	5.0	2.5	2.5	3.0	4.0	4.0	3.5	4.0	3.5	2.0	5.0	2.5	6.5	6.0	7.5	9.5	11.5	6.0	11.5	
19	7.5	4.5	6.0	6.5	6.0	5.5	3.5	4.0	7.0	3.5	3.5	4.0	4.0	4.0	4.5	5.0	5.0	5.0	7.5	10.5	11.5	9.0	7.5	9.5	6.0	11.5	
20	8.5	5.5	9.5	5.0	9.5	7.5	4.5	4.0	4.0	2.5	3.0	3.5	4.0	4.5	5.0	5.0	4.5	3.0	7.5	8.0	4.5	4.0	3.0	4.5	5.0	9.5	
21	6.5	4.0	2.0	3.5	4.5	3.5	3.5	4.5	2.5	2.5	3.5	3.5	4.0	4.0	5.0	5.5	8.5	9.0	7.5	5.5	7.0	5.0	4.5	6.0	5.0	9.0	
22	5.5	6.0	8.5	6.5	6.5	8.0	8.0	7.5	3.0	4.0	5.0	3.5	6.5	6.5	5.0	4.0	5.5	3.0	6.0	6.0	10.0	3.5	4.0	3.0	3.5	10.0	
23	6.0	3.5	3.5	3.5	3.0	3.0	4.0	6.0	7.0	7.0	4.0	4.5	2.0	2.5	4.5	4.0	10.0	6.0	12.0	7.5	4.0	4.5	3.5	5.0	12.0	6.0	12.0
24	6.0	5.0	6.0	5.0	7.0	4.0	4.0	2.5	2.0	3.0	4.0	4.0	4.0	3.0	3.5	4.0	2.0	4.0	5.0	6.0	6.0	4.0	4.0	4.5	4.5	7.0	
25	6.0	5.0	7.0	7.5	7.0	4.0	7.5	10.0	5.0	2.5	4.0	5.0	4.0	4.0	4.0	4.0	1.5	4.0	5.0	4.5	6.5	6.0	11.5	12.0	6.0	12.0	
26	7.0	6.5	8.0	5.5	3.0	7.5	3.0	5.5	4.0	2.0	3.0	4.5	6.0	5.0	2.5	2.5	3.5	4.5	4.5	3.5	3.5	4.5	6.5	3.5	4.5	4.0	
27	3.0	4.0	5.0	5.0	4.0	2.5	7.0	4.0	6.5	3.0	3.5	5.0	5.0	4.5	3.0	4.5	4.5	3.0	3.0	3.0	3.0	3.5	4.5	4.0	4.0	4.0	
28	3.5	1.5	3.0	4.5	4.0	5.0	3.5	2.5	4.0	3.5	3.5	3.5	3.0	3.0	4.0	2.0	2.0	3.5	2.0	2.0	3.5	3.0	2.0	2.5	3.0	5.0	
29	2.0	2.5	2.5	3.0	2.5	3.0	2.5	4.5	4.0	3.0	4.5	4.5	6.0	6.0	7.0	8.5	10.0	10.0	7.0	4.5	7.0	11.0	17.5	9.0	6.0	17.5	
AV	6.0	5.5	6.0	6.0	6.5	6.0	5.5	6.0	5.0	4.0	4.5	5.5	5.5	6.0	5.5	6.0	5.5	6.0	6.0	6.0	7.5	6.5	7.0	7.0	6.0	6.0	
50	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	3.5	4.0	4.0	3.5	3.5	4.0	4.0	4.0	3.5	3.5	3.0	2.5	2.5	3.0	4.0	3.5	2.0	3.0	

ABOUT (29 JAN 81)

WIND SPEED (C0117)
 MILES/HOUR
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 DEC. 1980
 AEROPROVEMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	8.0	8.5	4.5	1.5	3.0	4.5	6.0	6.5	3.0	8.5	8.5	17.5	12.5	9.5	7.0	5.0	9.0	8.0	6.0	9.5	7.5	6.5	6.5	4.0	7.0	17.5
2	2.5	2.5	4.5	2.5	4.0	5.5	3.5	6.5	4.5	2.5	4.0	3.5	3.0	2.0	3.5	4.0	3.0	2.0	2.5	3.0	3.5	3.0	4.0	3.0	3.5	6.5
3	4.0	3.5	4.0	3.5	3.0	2.0	3.5	7.0	5.0	3.0	4.5	3.5	4.0	6.5	9.5	8.5	14.5	10.0	8.5	11.5	13.0	6.5	3.5	3.5	6.0	14.5
4	4.0	6.0	4.0	3.5	5.5	2.5	4.0	11.5	17.0	19.5	21.5	23.0	23.0	24.0	21.5	18.5	16.0	20.0	9.0	5.0	10.0	12.0	17.0	10.5	13.0	20.0
5	9.0	13.5	12.0	6.0	3.0	5.5	4.0	2.5	3.5	4.5	4.5	9.0	5.0	4.0	5.5	7.0	6.0	4.5	4.0	4.0	5.0	3.0	5.0	3.0	5.5	13.5
6	4.5	2.5	3.5	2.5	3.5	4.0	2.0	3.5	3.5	5.0	2.5	3.5	4.0	3.0	2.0	5.0	5.0	10.5	6.5	4.5	3.5	3.5	2.5	2.0	4.0	10.5
7	2.0	3.0	4.0	2.0	3.5	3.0	3.0	4.5	2.5	3.0	3.5	6.5	9.0	6.0	6.5	4.0	1.5	4.0	10.0	9.5	5.0	7.0	5.5	5.0	4.5	10.0
8	4.5	5.0	6.5	2.5	3.0	3.0	3.5	4.5	3.0	3.0	4.5	5.5	7.0	6.5	4.0	6.5	5.5	4.0	4.5	7.0	9.0	11.5	7.5	8.0	5.5	11.5
9	9.0	6.5	3.5	3.0	2.0	4.0	1.5	2.5	4.0	3.5	5.5	6.0	6.0	5.0	4.5	3.5	2.0	3.0	6.5	10.0	9.5	5.5	9.5	9.5	5.5	10.0
10	7.0	6.5	7.0	8.0	6.5	8.0	9.5	4.5	3.5	3.0	2.5	3.5	4.0	5.5	5.0	3.0	6.0	3.5	2.5	4.5	6.5	4.5	6.0	6.0	5.0	9.5
11	8.0	5.0	4.5	4.5	6.0	3.0	6.0	4.0	4.0	1.0	3.0	4.0	4.5	6.0	4.0	5.0	6.0	4.0	4.5	6.0	6.0	8.5	9.0	10.0	5.5	10.0
12	4.5	5.0	6.0	5.0	5.0	2.0	7.0	6.0	3.5	2.0	2.5	3.5	3.5	4.5	4.5	4.5	5.0	6.0	2.5	6.5	5.0	7.5	6.5	8.0	5.0	8.0
13	9.0	8.5	5.0	5.0	6.0	5.0	7.0	5.0	4.0	3.0	3.0	3.0	3.5	3.5	3.0	3.0	4.5	4.5	9.0	10.5	8.0	6.5	7.5	10.5	6.0	10.5
14	10.0	9.0	5.0	6.5	4.0	5.0	7.5	4.0	4.0	2.5	3.0	4.0	3.5	4.0	2.5	3.5	3.0	6.0	7.5	2.5	6.0	8.0	6.0	4.5	4.5	8.0
15	5.5	4.5	6.5	3.0	4.5	4.0	6.5	3.0	2.5	2.5	3.5	3.5	6.5	6.0	7.0	6.0	7.0	4.0	3.5	5.0	7.5	6.5	7.0	6.5	5.0	7.5
16	4.0	8.0	5.5	3.5	2.5	4.5	5.5	4.0	3.5	2.5	2.5	3.5	3.5	4.5	4.5	5.0	6.5	4.5	4.5	5.0	6.5	5.5	4.5	4.5	5.0	10.0
17	4.0	8.0	5.5	3.5	2.5	4.5	5.5	4.0	3.5	2.5	2.5	3.5	3.5	4.5	4.5	5.0	6.5	4.5	4.5	5.0	6.5	5.5	4.5	4.5	5.0	10.0
18	4.5	8.5	2.0	2.0	4.5	3.5	1.5	2.5	2.0	2.5	2.5	3.5	3.5	4.0	2.5	3.5	3.0	6.0	7.5	2.5	6.0	8.0	6.0	4.5	4.5	8.0
19	8.0	10.0	5.0	6.0	5.0	6.0	6.0	7.0	6.5	3.5	3.0	4.0	3.0	3.5	4.0	4.5	5.0	4.0	4.0	4.0	5.5	4.5	4.0	5.5	5.0	8.5
20	8.5	4.5	6.0	5.0	5.0	6.5	5.0	3.0	3.0	1.5	3.0	3.0	3.5	3.0	4.0	4.5	5.0	4.0	4.0	4.0	6.0	8.5	8.0	9.0	6.0	10.0
21	7.5	8.5	3.5	3.5	4.5	4.5	3.5	3.5	3.5	2.5	3.0	3.5	3.5	4.0	3.0	3.5	3.0	3.0	4.0	3.0	3.5	2.0	2.0	3.0	4.0	9.5
22	3.5	4.5	5.0	4.5	4.0	3.5	3.5	3.0	5.0	7.0	6.5	4.0	2.5	3.5	3.5	6.5	7.0	6.0	2.0	3.0	2.0	3.5	8.5	9.0	4.5	9.0
23	3.0	3.0	5.0	9.5	8.0	9.5	7.0	5.5	4.5	6.5	6.0	7.5	5.5	4.0	5.0	5.5	3.0	4.0	10.0	9.5	10.5	9.5	7.5	8.5	6.5	10.5
24	7.0	11.0	7.5	5.5	4.0	7.0	5.0	5.0	2.5	3.0	3.0	3.5	4.5	5.0	4.5	4.5	4.5	2.5	4.0	7.5	10.0	6.5	3.5	4.5	5.5	11.0
25	4.0	3.5	4.5	5.5	4.5	4.0	6.5	5.0	4.0	4.5	3.0	5.0	5.0	5.0	5.5	5.5	4.5	3.5	4.5	6.0	4.0	8.5	7.0	6.5	5.0	8.0
26	7.5	12.5	6.0	4.0	2.0	5.0	4.5	7.0	5.5	4.0	4.0	2.5	3.0	3.5	4.0	5.0	6.0	4.5	4.0	5.0	7.0	6.5	9.0	8.0	5.5	12.5
27	8.0	4.5	5.0	7.5	5.0	4.0	6.5	5.5	2.5	2.5	3.0	3.0	3.0	4.5	4.0	4.0	6.5	3.5	3.5	3.5	3.5	6.5	6.5	5.0	6.5	8.0
28	6.5	3.5	5.5	3.5	4.0	4.5	4.5	3.5	3.0	2.5	3.5	5.5	5.5	4.5	5.5	5.0	4.0	3.0	6.0	8.5	9.5	9.0	9.0	8.5	5.5	9.5
29	9.0	8.5	9.5	9.0	6.5	7.0	9.0	6.0	4.0	3.0	3.0	3.0	4.5	3.5	4.5	4.5	3.5	3.0	6.5	11.0	12.0	8.5	9.0	9.5	6.5	12.0
30	5.0	6.5	9.5	7.0	5.0	6.5	4.5	9.0	7.5	3.5	2.0	3.5	3.5	5.0	7.0	7.0	7.0	3.0	4.0	7.5	9.0	6.0	7.0	8.0	6.0	9.5
31	9.0	4.5	7.0	3.5	7.0	5.5	3.0	3.0	1.5	3.0	2.0	3.0	3.0	6.0	4.5	4.5	6.5	2.0	2.5	6.5	6.0	7.5	10.5	9.5	5.0	10.5
AV	6.0	6.5	5.5	4.5	4.5	5.0	5.0	4.5	4.0	4.0	3.0	5.0	5.5	5.5	5.5	5.5	6.0	3.0	5.0	6.5	7.0	6.5	7.0	6.5	3.5	6.5
30	2.5	3.0	2.0	2.0	1.5	1.5	2.0	2.0	2.5	3.5	3.5	4.5	3.5	1.5	1.5	2.5	3.0	3.5	2.0	2.5	2.5	2.5	3.0	2.5	1.5	1.5

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALF PROJECT #139
BONANZA, UTAH
SITE #

JAN, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 02/JUN/81 *

CLUCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	(VA)	40	135	165	155	155	155	220	105	165	305	330	265	275	270	255	245	155	170	(VA)	120	190	180	H	
2	310	160	285	195	285	290	270	330	355	355	225	355	315	275	0	5	315	275	320	260	280	280	250	90	13	
3	5	0	25	155	175	170	165	165	165	165	295	310	315	310	270	265	240	275	270	(VA)	(VA)	15	325	310	(VA)	
4	235	320	210	200	245	270	310	280	295	265	325	105	320	290	260	270	275	270	270	300	305	350	300	5	13	
5	330	50	35	200	135	165	160	145	110	150	170	160	295	10	275	270	55	5	315	270	240	(VA)	135	175	H	
6	110	35	345	5	55	55	65	140	155	195	155	280	315	40	50	60	70	70	95	130	140	145	250	115	4	
7	95	90	65	45	135	135	245	355	15	60	130	10	345	275	330	25	110	150	145	145	145	90	95	70	(VA)	
8	75	95	35	325	5	50	95	120	130	285	290	290	285	210	355	180	75	55	55	235	260	215	250	210	(VA)	
9	170	95	145	130	130	145	120	150	180	175	180	180	185	195	185	195	205	210	190	200	180	200	195	195	9	
10	180	190	190	185	190	180	180	190	195	195	195	200	210	265	265	280	280	275	280	285	265	275	(VA)	185	9	
11	155	145	130	135	130	130	100	210	130	255	315	315	245	125	270	280	15	(VA)	(VA)	270	315	340	330	315	7	
12	255	230	(VA)	255	200	325	290	245	270	265	(VA)	285	280	325	290	285	245	0	(VA)	(VA)	145	140	150	145	155	12
13	45	285	(VA)	120	150	75	110	95	(VA)	(VA)	295	290	275	275	290	285	280	305	310	305	275	260	215	(VA)	14	
14	200	195	185	180	165	180	185	225	265	150	155	195	145	170	15	75	60	(VA)	60	110	115	55	200	185	9	
15	200	210	150	145	85	100	265	285	275	235	(VA)	290	280	260	355	55	60	35	65	190	280	190	195	70	13	
16	(VA)	230	160	170	180	165	165	240	315	20	270	295	290	320	340	355	330	270	200	295	285	310	15	0	14	
17	315	135	150	45	55	30	120	150	130	(VA)	65	355	320	290	270	275	315	335	305	155	105	145	145	150	H	
18	150	115	130	80	95	(VA)	(VA)	155	230	250	195	320	340	270	265	270	255	265	285	70	75	80	80	80	5	
19	75	85	85	70	75	75	85	80	80	80	25	65	50	65	50	45	70	50	50	75	75	55	60	65	8	
20	110	150	145	160	160	160	155	155	165	105	200	305	285	300	270	315	345	320	335	255	255	100	165	175	H	
21	205	250	225	305	350	35	355	100	305	310	315	340	200	280	0	315	275	280	280	315	295	295	305	320	15	
22	315	300	345	335	340	45	110	85	100	95	330	60	340	20	350	315	20	35	85	120	140	135	140	145	16	
23	135	105	150	110	100	145	(VA)	90	135	75	335	240	275	295	240	315	290	280	285	295	260	165	275	19	18	
24	295	125	115	135	295	20	60	95	140	50	115	350	(VA)	340	305	230	295	295	290	310	285	280	350	240	18	
25	315	315	25	335	300	285	345	25	(VA)	320	10	330	260	240	270	315	0	315	170	60	80	70	60	45	15	
26	45	50	65	35	25	55	25	40	40	55	320	0	355	35	35	40	50	60	75	60	60	60	45	50	3	
27	60	100	15	15	85	55	70	70	30	40	275	265	285	315	305	310	265	280	265	185	280	250	260	55	13	
28	30	60	65	60	45	45	40	60	50	25	55	40	40	45	35	45	40	55	30	40	(VA)	280	265	160	3	
29	40	40	210	110	330	(VA)	280	310	0	340	290	250	265	265	275	295	185	215	165	70	165	185	160	110	13	
30	140	125	150	135	125	120	105	160	90	60	70	5	280	245	105	45	140	15	105	145	150	150	160	145	7	
31	135	145	150	155	140	135	80	80	120	25	15	245	255	205	335	245	260	265	285	205	235	340	110	100	7	
PV	(VA)	7	8	7	8	8	6	(VA)	7	5	14	14	13	13	13	13	13	13	13	14	13	14	7	9	13	

AUGUST (21 JAN 81)

WIND DIRECTION ICC:021

AMITE RIVER SHALE PROJECT #139
KUNABAZA, UTAH
SITE #

LEVEL HEIGHT 1 10 METERS

* FUGAL DATA *
* AS OF 02/JUN/81 *

JAN, 1980

APROVIKORREKT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Hour
1	SSE	(VA)	NE	SE	SSE	SSE	SSE	SSE	SW	ESE	SSE	NW	NW	W	W	W	WSW	WSW	SSE	S	(VA)	ESE	S	S	SSW
2	SE	SSE	NNE	SSW	NW	NW	NW	NW	N	N	NNE	NW	NW	W	W	W	NW	NW	NW	W	(VA)	NW	W	W	SSW
3	SE	SSE	NNE	SSW	NW	NW	NW	NW	N	N	NNE	NW	NW	W	W	W	NW	NW	NW	W	(VA)	NW	W	W	SSW
4	WSW	NW	SSW	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
6	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
7	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
8	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
9	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
10	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW
11	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
12	WSW	SW	(VA)	WSW	SSW	NW	NW	NW	W	W	(VA)	NW	NW	W	W	W	WSW	WSW	WSW	W	W	W	W	W	SSW
13	SE	SE	(VA)	ESE	SSE	ESE	ESE	ESE	W	W	(VA)	NW	NW	W	W	W	WSW	WSW	WSW	W	W	W	W	W	SSW
14	SSW	SSW	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW
15	SSW	SSW	SSE	SE	E	E	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW
16	(VA)	SE	SSE	S	SSE	SSE	SSE	SSE	NW	NNE	W	NW	NW	W	W	W	WSW	WSW	WSW	W	W	W	W	W	SSW
17	SSW	SE	SSE	E	NE	NNE	ESE	ESE	SE	SW	W	NW	NW	W	W	W	WSW	WSW	WSW	W	W	W	W	W	SSW
18	SSE	ESE	SE	E	F	(VA)	(VA)	SSE	SW	WSW	SSW	NW	NW	W	W	W	WSW	WSW	WSW	W	W	W	W	W	SSW
19	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
20	ESE	SSE	SE	SSW	SSE	SSE	SSE	SSE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
24	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
26	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
27	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
29	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
30	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
31	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSW
PT	(VA)	SE	SSE	SE	SSE	SSE	ESE	(VA)	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW

WIND DIRECTION (CC0021)
 DEGREES
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, W159
 HONANZA, UTAH
 SITE 6
 FEB, 1980
 AEROSOL ENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	145	160	175	(VA)	125	115	125	120	205	315	250	330	300	270	270	270	265	250	130	70	45	155	145	65	7
2	125	130	175	100	155	(VA)	135	150	140	300	35	275	275	290	265	280	335	(VA)	225	245	290	160	350	145	(VA)
3	135	(VA)	(VA)	(VA)	5	255	275	(VA)	85	105	230	260	305	290	280	270	260	285	220	235	190	340	165	215	13
4	45	50	95	60	140	200	250	295	235	215	(VA)	295	300	280	270	270	255	280	150	180	105	155	160	125	13
5	135	140	145	120	110	150	80	80	195	340	20	245	280	270	260	270	265	250	190	100	140	(VA)	170	13	13
6	265	(VA)	80	160	135	180	150	140	140	(VA)	315	265	275	290	270	270	260	275	265	305	250	350	150	140	13
7	155	(VA)	340	265	245	270	275	245	190	255	260	280	295	250	260	(VA)	65	50	45	5	395	305	220	(VA)	13
8	30	40	155	150	165	145	140	150	150	190	315	275	265	270	285	245	330	350	130	150	145	155	145	150	8
9	160	155	130	145	145	145	130	135	140	345	250	280	275	270	270	275	270	275	290	85	135	140	140	135	7
10	140	145	105	85	140	125	75	55	315	70	285	300	305	270	265	270	270	275	280	235	(VA)	140	140	140	(VA)
11	135	150	135	135	140	125	120	110	140	95	310	295	270	275	275	270	270	265	260	240	145	145	145	150	7
12	150	135	140	75	130	130	80	(VA)	(VA)	195	270	275	335	290	275	280	280	275	230	(VA)	175	125	(VA)	120	(VA)
13	130	140	140	140	150	145	85	(VA)	(VA)	275	280	245	275	275	270	275	265	280	270	270	125	65	45	110	13
14	0	275	295	(VA)	20	0	(VA)	(VA)	(VA)	115	245	270	270	275	275	275	265	280	270	270	125	65	45	110	13
15	145	160	185	(VA)	145	210	160	50	115	245	270	270	275	275	275	275	265	260	230	245	320	315	10	60	13
16	145	165	45	105	115	145	145	180	305	0	120	(VA)	345	275	275	270	265	290	290	340	295	300	240	245	14
17	305	245	280	215	280	265	255	300	175	275	270	270	320	305	250	55	310	255	5	75	125	215	225	50	13
18	150	340	225	245	80	235	325	20	35	110	180	250	200	265	270	195	160	150	145	260	205	185	180	160	4
19	180	180	265	165	165	135	100	40	105	120	325	195	235	220	190	145	170	215	115	105	80	165	15	(VA)	9
20	60	130	130	155	155	140	175	190	225	150	205	175	175	185	205	220	290	315	115	145	150	160	170	165	4
21	210	265	165	315	100	(VA)	125	65	65	345	200	185	110	145	180	200	275	275	275	315	330	280	175	(VA)	4
22	175	26	135	245	270	170	155	160	250	270	275	275	275	290	285	320	295	315	45	140	155	145	220	140	13
23	140	120	150	200	175	200	110	165	145	280	(VA)	275	295	295	290	290	240	80	30	65	135	155	165	180	4
24	190	125	120	140	160	135	130	145	105	(VA)	520	320	265	295	240	260	(VA)	20	120	155	155	145	160	170	7
25	180	155	145	140	145	135	145	145	130	275	270	270	290	330	325	315	330	315	265	175	140	145	155	155	7
26	145	130	150	135	105	140	130	135	140	255	245	270	260	305	335	300	275	280	255	170	145	150	160	155	7
27	150	150	150	110	120	140	150	145	75	320	300	305	290	240	270	265	270	275	325	125	130	140	145	145	7
28	165	160	145	150	140	135	225	160	145	315	245	260	270	270	290	335	245	345	210	260	245	230	155	165	4
29	330	285	40	140	160	140	175	175	140	190	265	285	285	40	355	335	0	355	20	70	110	40	70	40	4
PV	4	7	8	7	7	7	7	4	7	13	15	14	14	14	13	14	13	13	13	7	7	4	4	4	7

WIND DIRECTION (CCRO2)

WHITE RIVER STATE PROJECT, #139
HORGANZA, UTAH
SITE 6

LEVEL HEIGHT 10 METERS

FEB, 1960

AERODIVISION INC.

* FINAL DATA *
* AS OF 02/10/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SSE	ENE	(VA)	SE	ESE	SE	ESE	SSW	W	WSW	WNW	W	W	W	W	W	WSK	SE	ESE	NE	SSE	SSE	ENE	SE
2	SE	SE	(VA)	(VA)	SE	(VA)	SE	(VA)	SE	W	W	W	W	W	W	W	W	(VA)	SW	WSW	WNW	W	W	SE	(VA)
3	NE	NE	NE	ENE	SE	SSW	WSW	WNW	SW	SW	SW	WNW	W	W	W	W	W	W	SE	ENE	E	ENE	SSE	SE	W
4	SE	SE	SE	ESE	ESE	SSE	E	E	SSW	WNW	WNW	W	W	W	W	W	W	W	SSE	SE	ESE	SSE	SE	W	
5	A	(VA)	E	SSE	SE	S	SSE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
6	SE	(VA)	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	SE	(VA)	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	ENE	ENE	SSE	SSE	SE	SE	SE	SSE	SE	W	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	SE
9	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SE	SE	ESE	E	SE	SE	ENE	NE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	SE	SSE	SE	SE	SE	SE	ESE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	SSE	SE	SE	ENE	SE	SE	E	E	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
13	SE	SE	SE	SE	SE	SE	E	E	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SE	E	S	(VA)	SE	SSW	SSE	(VA)	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SE	ENE	ENE	ENE	SE	SE	SE	SE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SSE	WNW	SW	MSW	E	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	S	W	W	SSE	SE	SE	E	E	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	ESE	SE	SSE	SSE	SE	S	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SSE	W	S	NW	(VA)	(VA)	SE	ENE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	S	NW	SE	W	W	W	SSE	SSE	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	SE	ESE	SSE	SSW	S	SSW	ESE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	S	SE	ESE	SE	SE	SE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SE	SE	ESE	SE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SSE	SSE	SSE	ESE	ESE	SE	SE	ESE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	SSE	SSE	SE	SSE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	WNW	WNW	E	SSE	SSE	SE	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	SSE	SE	SSE	SE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #159
 HUNANZA, UTAH
 SITE 6
 MAP, 1980
 AEROSPIRIMENT INC.

 * FINAL DATA *
 * AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	90	75	85	90	95	95	95	90	30	300	285	335	325	295	275	265	325	310	35	125	145	150	145	145	5
2	115	130	110	105	135	135	150	100	(VA)	(VA)	290	325	335	290	265	290	310	320	(VA)	115	130	130	145	135	7
3	145	(VA)	125	165	(VA)	65	140	200	(VA)	45	(VA)	215	195	190	190	195	225	155	60	100	145	115	180	205	10
4	205	220	165	185	170	165	150	115	145	145	145	265	270	290	280	290	290	285	275	260	215	185	165	165	A
5	165	160	160	155	135	180	220	315	305	275	220	190	195	195	145	200	190	195	190	195	190	190	200	185	A
6	175	195	225	265	240	160	160	160	120	10	50	315	270	260	275	(VA)	120	235	25	65	70	(VA)	55	150	(VA)
7	155	170	190	325	45	135	265	65	70	120	210	235	255	265	295	255	260	200	245	0	5	355	175	165	12
8	175	205	255	165	165	160	160	160	170	280	270	270	255	265	270	265	270	250	235	225	250	155	200	175	11
9	125	160	190	165	160	160	160	145	170	275	290	265	280	265	280	235	255	250	235	195	155	160	165	160	A
10	175	165	160	145	115	130	100	95	45	(VA)	275	290	300	275	255	260	290	270	185	150	165	155	155	125	A
11	140	155	135	140	140	115	130	135	95	(VA)	55	20	315	(VA)	260	170	170	135	170	170	190	180	170	160	7
12	135	255	260	260	280	285	275	280	270	270	275	275	280	280	270	270	275	290	300	345	30	115	165	150	11
13	135	140	185	170	145	145	120	140	70	355	320	275	265	295	285	280	270	260	95	160	85	135	85	175	7
14	110	140	140	120	125	140	135	120	75	75	345	280	280	280	255	185	180	190	215	165	175	170	180	85	7
15	75	(VA)	190	110	(VA)	35	50	320	280	60	320	245	275	250	240	205	220	210	250	270	185	325	275	280	12
16	300	285	290	310	340	305	25	65	20	330	320	335	340	340	345	0	345	5	10	20	345	(VA)	140	165	18
17	185	160	150	170	125	135	130	100	80	0	10	(VA)	250	190	190	190	260	190	190	175	170	170	170	190	9
18	155	150	135	130	75	115	120	175	(VA)	280	295	295	295	270	275	310	305	320	25	135	150	140	140	150	7
19	150	155	150	135	110	130	135	95	110	(VA)	280	275	275	270	280	275	290	290	290	315	5	40	115	145	7
20	140	150	170	165	150	150	135	110	85	315	310	295	355	340	300	305	(VA)	175	160	160	165	155	135	125	A
21	75	70	65	135	115	90	100	110	110	185	190	195	180	185	180	205	220	280	305	110	40	50	160	165	9
22	150	155	30	100	265	(VA)	180	255	285	270	350	80	80	65	80	85	80	70	75	55	0	40	(VA)	65	8
23	120	140	175	255	55	155	100	105	115	(VA)	60	65	260	245	305	310	240	290	15	135	225	275	270	160	(VA)
24	140	155	130	60	55	135	50	110	140	195	210	165	180	185	165	170	150	165	160	255	290	170	155	140	9
25	130	65	40	35	45	95	15	275	200	160	145	(VA)	275	300	265	285	265	340	15	180	275	255	250	165	13
26	165	200	260	185	160	150	150	165	295	525	280	(VA)	(VA)	225	310	280	175	145	135	145	150	165	160	155	A
27	150	135	135	135	145	145	140	100	90	320	300	280	260	295	250	240	280	285	285	255	230	245	250	225	14
28	(VA)	50	305	280	300	270	250	280	275	250	5	5	10	15	10	10	20	30	40	30	35	65	(VA)	(VA)	1
29	165	(VA)	10	(VA)	135	145	160	175	250	205	(VA)	320	5	305	(VA)	(VA)	90	(VA)	105	150	170	150	150	160	A
30	180	140	85	70	60	70	60	345	75	55	75	120	230	270	275	285	280	135	145	135	130	185	160	165	(VA)
31	140	155	160	170	150	145	140	140	115	245	225	195	220	255	215	(VA)	215	45	95	145	145	145	170	145	7
PV	A	A	A	7	7	7	7	6	(VA)	15	14	15	15	13	13	13	13	13	14	2	A	A	A	A	A

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #139
HUGANZA, UTAH
SITE 6

.....
* FINAL DATA *
* AS OF 02/JUN/81 *
*

LEVEL HEIGHT : 10 METERS

MAR, 1980

AEROTRONICS, INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ESE	E	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
2	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
3	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
4	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
6	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
7	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
19	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
26	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
29	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
30	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
31	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT #159

HONAHUA, UTAH

SITE 6

LEVEL HEIGHT : 10 METERS

* FINAL DATA *
* AS OF 02/JUN/81 *

APR, 1980

AFROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SE	SE	ESE	SW	NE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
2	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
4	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
6	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
7	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
11	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
12	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
13	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
19	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
20	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
21	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
22	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
23	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
24	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
26	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
27	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
29	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
30	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]	[VA]
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	

WIND DIRECTION (CC10P)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 6

MAY, 1980

AEROMONUMENT INC.

* FINAL DATA *
* AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	160	155	155	135	100	35	65	70	75	75	55	85	45	(VA)	255	280	165	230	355	120	145	145	175	7	
2	135	150	80	65	105	70	95	45	340	270	(VA)	(VA)	150	180	180	175	215	(VA)	155	90	130	155	150	145	4	
3	155	150	125	120	150	155	145	150	75	295	310	255	280	295	5	(VA)	105	150	150	150	165	160	125	85	4	
4	255	(VA)	185	175	140	145	150	135	(VA)	325	295	270	285	315	315	350	330	35	95	145	145	350	100	155	7	
5	155	15	320	150	155	160	155	130	345	355	60	155	260	280	285	50	65	100	160	160	155	165	170	160	8	
6	160	145	160	150	145	135	120	125	145	195	310	295	295	230	190	150	165	160	165	160	175	160	170	145	8	
7	155	150	130	130	105	125	160	55	35	305	275	170	170	155	90	85	(VA)	235	310	45	75	130	150	8		
8	145	115	110	120	125	100	110	140	120	(VA)	(VA)	60	90	(VA)	270	245	235	190	190	190	165	160	160	185	6	
9	255	215	100	135	190	150	90	75	(VA)	220	205	175	165	160	195	240	325	35	10	25	5	320	0	120	4	
10	150	140	145	120	170	225	70	335	275	200	245	260	185	180	185	190	200	275	280	265	155	140	140	9		
11	45	150	270	275	270	285	265	210	(VA)	335	285	240	200	130	125	195	190	270	45	95	95	165	265	55	13	
12	160	170	150	5	235	275	165	165	195	215	185	190	210	210	250	220	15	30	(VA)	80	120	95	65	75	(VA)	
13	100	45	135	145	150	140	160	160	305	340	320	340	310	240	245	115	155	150	170	160	150	155	150	145	4	
14	150	160	145	145	135	125	145	80	295	295	270	285	260	(VA)	70	55	55	75	100	145	170	210	230	160	7	
15	150	155	155	155	130	135	160	230	285	295	260	275	(VA)	295	70	185	265	265	140	165	215	185	110	75	8	
16	150	180	140	150	165	150	125	115	(VA)	305	240	295	270	140	50	15	300	305	285	270	215	155	225	170	8	
17	175	175	220	240	260	255	255	255	280	265	265	260	340	295	215	40	75	75	70	60	50	125	145	155	13	
18	145	130	135	140	130	135	130	90	345	315	320	330	280	285	220	305	(VA)	95	280	20	135	155	150	145	7	
19	145	150	135	140	140	130	120	105	40	295	240	280	280	285	270	(VA)	340	30	40	70	100	150	150	150	7	
20	130	150	155	135	140	135	130	90	(VA)	300	325	15	0	(VA)	75	240	320	335	15	50	115	145	155	155	7	
21	140	135	145	140	145	140	115	95	260	295	285	295	240	240	350	300	20	(VA)	25	85	150	150	150	150	7	
22	135	130	95	135	135	150	130	(VA)	205	(VA)	5	350	335	185	170	140	165	195	220	175	200	145	165	200	7	
23	195	(VA)	200	185	175	185	175	105	185	180	170	175	190	170	170	180	185	180	155	180	155	175	175	185	9	
24	175	175	175	165	175	170	180	180	190	195	195	185	200	245	250	235	225	170	130	210	210	190	205	205	10	
25	215	210	195	195	(VA)	160	180	210	225	260	235	215	230	230	190	280	320	35	70	110	145	140	110	135	10	
26	130	130	130	130	125	95	75	40	345	320	335	270	205	200	235	230	185	205	265	5	90	145	145	140	7	
27	150	150	135	120	75	120	15	20	300	190	190	200	190	205	190	205	170	195	190	175	150	145	135	9		
28	125	150	115	130	140	140	125	80	195	190	190	170	180	200	205	200	190	190	205	230	170	150	260	265	9	
29	275	280	300	(VA)	140	230	270	295	(VA)	300	270	280	275	280	290	275	255	270	275	315	245	45	75	170	13	
30	85	180	155	145	160	155	130	290	(VA)	20	345	335	290	255	260	140	190	190	190	205	175	175	150	145	4	
31	130	135	150	145	135	150	245	290	305	255	245	240	295	260	295	245	240	265	200	295	260	170	240	115	13	
PV	8	8	7	7	8	8	7	5	14	14	14	14	15	13	(VA)	4	4	4	9	8	8	8	8	8	8	8

ADJUST (21 JUN 81)

WIND DIRECTION (CODE)
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SOAL PROJECT, B139
 HOGANZA, OHIO
 SITE #
 MAY, 1980
 AEROGOVERNMENT INC.

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 * FINAL DATA *
 * AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SE	SE	E	NE	ESE	ESE	ESE	ENE	ENE	E	NE	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
2	SE	SE	E	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ENE	E	ENE	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
3	SSE	SSE	SE	ESE	ESE	ESE	SE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
4	WSW	(VA)	S	S	S	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
6	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
8	SE	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	ESE	(VA)	ENE	E	NE	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
9	WSW	WSW	E	ESE	ESE	SSE	E	ENE	ENE	ENE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
10	SSE	SSE	SE	ESE	ESE	SSE	E	ENE	ENE	ENE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
11	SE	SSE	SE	ESE	ESE	W	ENE	ENE	ENE	ENE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
12	SSE	SSE	SE	ESE	ESE	W	ENE	ENE	ENE	ENE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
13	E	NE	SE	SE	SSE	W	ENE	ENE	ENE	ENE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
14	SSE	SSE	SE	ESE	ESE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
15	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
16	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
17	S	S	S	S	S	WSW	WSW	WSW	WSW	WSW	W	W	W	W	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
18	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
19	SE	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
20	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
21	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
22	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
23	SSE	(VA)	SSE	S	S	S	S	S	S	S	S	S	S	S	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
24	S	S	S	S	S	S	S	S	S	S	S	S	S	S	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
25	S	S	S	S	S	S	S	S	S	S	S	S	S	S	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
26	SE	SE	SE	SE	SE	E	ESE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
27	SSE	SSE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
28	SE	SSE	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
29	E	W	W	W	W	W	W	W	W	W	W	W	W	W	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
30	E	W	W	W	W	W	W	W	W	W	W	W	W	W	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
31	SE	SE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF
PV	SSE	SSE	SE	SE	SSE	SSE	SE	ESE	ESE	ESE	SW	SW	SW	SW	(VA)	WSW	W	SSE	SW	N	ESE	SE	SE	S	SF

WHITE RIVER SHALE PROJECT, M139
 HONANZA, UTAH
 SITE 6
 JUN, 1960
 AEROSURVEYMENT INC.

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT 10 METERS

 * FINAL DATA *
 * AS OF 02/JUN/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	160	155	150	145	150	160	100	75	0	300	305	265	140	180	210	290	60	65	195	160	150	150	150	155	A	
2	140	130	105	70	130	125	60	55	220	185	210	200	190	185	185	195	195	190	185	190	165	160	160	160	9	
3	160	160	160	145	155	155	160	180	185	170	170	175	175	195	190	180	190	180	190	200	190	160	155	160	9	
4	160	160	165	160	155	160	65	335	195	195	175	190	185	205	220	220	230	215	210	200	170	165	175	170	9	
5	170	155	150	145	145	135	100	15	305	195	195	190	185	190	220	215	210	205	195	185	170	170	160	215	9	
6	210	150	150	155	130	160	200	225	235	225	235	240	240	245	235	240	240	295	300	300	310	300	35	110	11	
7	140	150	150	165	155	190	260	275	325	35	345	350	280	305	295	335	340	325	350	15	105	150	140	145	8	
8	145	155	140	145	145	135	60	350	275	320	285	310	315	335	305	305	305	330	350	20	105	135	145	155	7	
9	155	150	165	145	145	140	110	115	315	270	295	265	285	310	320	55	335	5	5	30	120	145	150	160	7	
10	145	180	135	145	145	140	105	105	35	290	310	330	220	190	180	170	190	195	210	195	195	150	155	(VA)	9	
11	180	220	(VA)	40	135	130	115	55	20	240	180	180	180	190	185	210	240	220	200	185	170	175	160	190	9	
12	160	245	60	120	150	125	150	200	210	220	205	220	195	200	195	200	195	200	190	190	190	220	175	140	10	
13	150	140	130	130	130	135	80	355	330	280	190	180	190	185	180	195	210	190	210	205	210	160	165	160	9	
14	140	175	170	95	105	110	85	25	240	245	230	240	235	225	230	240	235	225	225	300	290	290	275	265	(VA)	9
15	275	60	105	120	145	165	160	105	220	290	300	285	280	290	310	305	285	350	330	20	150	150	145	145	14	
16	155	190	225	140	150	165	205	290	295	60	265	275	285	305	275	240	295	350	330	20	150	150	145	145	(VA)	14
17	130	140	150	135	135	145	110	105	295	275	305	270	255	315	295	325	325	325	(VA)	180	155	145	135	145	7	
18	135	120	120	140	130	135	110	110	285	290	290	305	(VA)	330	240	225	270	275	250	305	300	(VA)	170	14	14	
19	155	140	135	150	160	145	150	130	325	345	335	245	270	170	185	195	255	250	280	305	190	155	150	160	A	
20	145	150	145	135	150	150	125	(VA)	355	300	290	290	290	165	210	195	180	180	165	175	170	150	165	190	A	
21	245	170	155	150	145	140	140	110	0	345	325	280	210	225	220	265	270	265	255	205	150	135	175	145	A	
22	140	145	110	150	150	140	120	335	10	310	280	295	270	(VA)	185	215	230	210	210	180	165	160	140	130	7	
23	155	160	170	170	165	155	155	160	170	180	170	180	200	210	215	205	215	210	200	190	170	235	140	145	9	
24	145	145	145	145	135	135	20	320	330	330	280	195	220	200	220	210	220	250	230	210	205	150	140	155	7	
25	170	165	135	130	140	120	110	90	330	370	225	170	165	185	195	195	190	190	195	210	195	160	155	160	9	
26	145	140	135	135	130	140	110	60	275	200	195	190	205	220	220	215	230	220	205	165	170	175	200	110	11	
27	275	275	275	260	255	260	275	280	290	315	305	245	290	300	295	295	300	300	295	290	245	270	105	145	14	
28	160	155	135	140	135	135	135	(VA)	270	(VA)	290	300	280	275	245	275	345	305	340	60	145	120	130	145	14	
29	135	145	145	140	145	135	95	70	5	320	280	285	295	285	270	280	275	285	290	(VA)	170	205	160	150	14	
30	145	190	(VA)	60	145	145	(VA)	(VA)	(VA)	245	275	285	345	330	315	330	330	310	330	355	315	90	225	(VA)	15	
PV	A	A	7	7	7	7	7	6	14	14	14	14	14	9	(VA)	11	11	9	10	9	9	A	A	A	A	

WIND DIRECTION (CC:02)

WHITE RIVER SHALF PROJECT, #119

ROPARZA, UTAH
 SITE 6
 JUN, 1960
 AERONAVIGATION INC.

LEVEL HEIGHT 10 METERS

FINAL DATA
 AS OF 02/JUN/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	OFF
1	SE	SE	SE	SE	SE	SE	E	E	N	WNW	NW	W	SE	S	SSW	WNW	E	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW
2	SE	SE	ESE	E	E	E	E	E	SE	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
3	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
4	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
6	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
8	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
9	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
10	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
17	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
18	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
20	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
24	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
26	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
28	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
29	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
PV	SE	SE	SE	SE	SE	SE	E	E	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION [CC:002]

DEGREES
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6
JUL, 1980

AEROMONITORING INC.

* FINAL DATA *
* AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	60	50	115	80	270	20	250	265	275	290	285	260	185	290	290	280	290	180	150	160	175	185	190	130	13	
2	120	90	110	350	165	110	240	135	245	150	100	310	135	160	145	345	345	(VA)	130	155	160	155	145	135	7	
3	135	125	110	100	(VA)	105	110	95	320	295	280	310	275	260	285	265	195	200	250	220	165	345	40	140	(VA)	
4	125	125	75	75	60	70	85	70	35	(VA)	300	245	290	295	255	335	315	305	215	235	160	130	140	125	8	
5	115	120	90	120	125	140	120	60	280	300	300	300	295	255	250	250	255	255	255	220	155	160	155	(VA)	12	
6	125	145	125	140	135	105	65	35	350	300	(VA)	310	305	265	255	235	210	195	185	160	160	160	140	7		
7	155	155	150	140	175	165	130	65	300	100	295	(VA)	170	180	165	160	185	160	155	155	150	145	110	170	8	
8	175	140	165	240	250	135	150	245	225	240	260	290	140	200	240	260	295	275	175	175	160	150	150	150	8	
9	145	155	155	135	135	140	130	10	285	285	305	310	310	(VA)	5	310	50	35	355	40	150	160	120	210	7	
10	150	180	160	150	140	145	135	40	355	285	300	310	275	265	220	215	225	265	195	165	175	155	110	145	8	
11	120	145	150	150	130	110	130	115	295	300	315	305	295	295	195	150	180	155	165	145	40	140	160	160	7	
12	160	145	130	145	75	(VA)	120	190	165	220	270	305	145	185	175	185	275	305	340	165	175	155	140	300	8	
13	40	15	165	165	90	165	155	120	195	185	205	320	270	250	240	240	145	(VA)	40	100	135	150	145	165	9	
14	60	40	65	135	120	140	130	70	245	285	290	225	220	215	245	245	240	240	240	205	180	200	245	(VA)	11	
15	160	155	150	165	150	140	110	(VA)	295	290	290	280	300	300	280	270	245	245	290	305	290	230	250	170	14	
16	180	145	145	145	150	140	120	100	305	285	305	320	270	280	270	310	305	(VA)	75	45	145	150	150	150	7	
17	160	145	130	140	145	135	110	115	305	305	320	310	290	290	255	240	270	285	300	310	310	110	165	155	7	
18	170	210	(VA)	(VA)	120	165	165	245	300	(VA)	(VA)	290	285	290	295	290	260	230	225	195	155	155	45	25	14	
19	170	280	85	150	(VA)	115	115	(VA)	310	300	300	290	265	240	255	260	295	315	305	315	305	290	270	120	14	
20	145	145	160	155	155	165	285	320	280	290	290	265	280	270	300	315	310	300	5	20	40	145	145	165	14	
21	150	150	160	140	140	150	185	310	280	295	15	285	230	260	290	300	305	295	310	5	130	150	145	165	14	
22	135	160	140	135	110	125	115	85	5	300	300	285	290	285	305	315	325	240	240	240	190	145	135	130	(VA)	
23	170	145	195	130	125	145	135	45	(VA)	245	(VA)	320	325	265	185	225	220	225	205	160	155	155	170	175	9	
24	140	135	140	125	130	130	115	65	55	60	290	285	270	315	325	325	310	335	70	90	40	105	130	150	7	
25	150	145	155	145	150	140	90	190	10	330	300	290	270	240	240	290	250	155	160	160	155	165	170	145	14	
26	140	120	145	155	165	150	145	235	325	240	(VA)	(VA)	200	260	270	300	350	45	75	160	155	140	160	155	7	
27	155	150	145	140	140	130	110	105	40	(VA)	(VA)	55	10	350	255	15	0	10	10	30	160	170	160	155	14	
28	165	155	160	150	155	160	125	40	310	280	300	345	255	270	240	290	310	290	315	150	145	135	125	14		
29	125	135	130	145	145	110	85	70	335	305	265	265	160	300	65	295	270	295	(VA)	70	270	160	145	7		
30	210	130	105	155	145	130	105	40	60	300	290	240	245	290	310	315	320	305	290	210	95	165	160	160	14	
31	165	150	170	160	155	145	140	70	20	0	40	40	(VA)	310	95	(VA)	285	300	300	300	240	215	160	170	14	
PV	8	7	7	7	7	7	6	5	14	14	14	14	14	13	13	12	14	14	14	14	14	14	14	14	14	14

WIND DIRECTION (CC:02)
 HOUARZA, ALAB
 SITE 6
 AS OF 02/10N/A)
 JUL, 1980
 AFROVIRONMENT INC.

WHITE RIVER GHALE PROJECT, #139
 HOUARZA, ALAB
 SITE 6
 AS OF 02/10N/A)
 JUL, 1980
 AFROVIRONMENT INC.

WIND DIRECTION (CC:02)
 LEVEL HEIGHT: 10 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
2	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
3	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
4	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
5	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
6	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
7	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
8	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
9	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
10	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
11	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
12	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
13	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
14	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
15	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
16	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
17	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
18	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
19	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
20	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
21	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
22	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
23	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
24	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
26	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
27	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
29	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
30	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
31	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
PV	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 AUG, 1980
 AEROVIRONNEMENT INC.

 * FINAL DATA *
 * AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	170	160	155	150	145	135	115	75	50	45	300	285	285	315	305	225	255	180	210	95	180	180	145	9		
2	145	135	120	135	155	160	135	145	255	270	300	285	270	280	285	285	265	260	300	315	290	195	170	14		
3	160	150	165	135	145	150	100	30	345	285	305	285	280	285	280	300	305	300	310	340	300	290	270	240	14	
4	180	135	165	145	140	135	125	95	0	285	275	275	290	290	275	265	270	285	295	290	265	195	170	165	13	
5	155	140	120	135	140	140	140	230	320	260	285	275	290	305	295	295	250	260	235	225	170	150	170	310	7	
6	40	15	200	150	150	135	145	80	355	295	300	310	245	235	230	230	235	245	245	220	170	160	165	270	11	
7	140	150	150	190	145	135	140	90	355	305	310	275	300	305	300	350	335	330	215	115	160	155	130	150	7	
8	165	165	200	170	155	140	195	275	325	295	270	285	280	260	230	260	205	260	205	260	215	160	155	270	13	
9	155	165	190	170	145	135	100	180	220	255	280	205	270	265	270	245	275	300	335	120	165	155	155	155	(VA)	
10	155	150	160	150	150	155	140	150	175	70	275	295	285	295	290	290	280	300	305	305	315	105	155	150	14	
11	170	150	160	150	150	155	150	160	290	310	295	300	300	300	300	270	290	255	245	340	30	145	160	150	155	8
12	135	135	140	130	95	135	115	80	65	210	265	290	295	280	305	140	(VA)	(VA)	125	130	145	160	155	150	7	
13	265	85	130	130	105	125	130	40	(VA)	295	300	295	300	295	185	215	0	60	130	305	140	165	205	185	7	
14	130	140	150	(VA)	150	150	150	150	305	305	285	310	285	275	170	170	190	230	240	255	205	145	45	(VA)	8	
15	315	210	175	205	195	170	165	(VA)	105	(VA)	285	(VA)	135	165	250	305	305	305	305	155	160	170	140	145	130	8
16	145	140	135	140	155	125	135	135	65	295	290	280	290	260	295	290	340	10	35	65	80	115	100	7		
17	135	150	155	160	155	145	140	125	290	340	300	275	270	280	175	175	235	270	230	160	160	160	160	165	6	
18	140	175	155	140	135	135	130	85	50	275	225	205	185	190	215	195	205	200	200	190	170	165	155	155	9	
19	165	195	170	165	160	155	165	195	210	230	230	225	255	295	300	310	285	290	265	235	270	310	310	295	14	
20	140	150	155	165	165	165	165	170	255	285	275	295	245	290	275	260	70	105	35	70	130	180	130	145	8	
21	145	135	135	140	145	140	140	105	350	290	280	320	290	280	280	280	320	335	50	100	160	145	140	140	7	
22	135	130	135	150	145	135	120	120	120	120	15	170	235	225	190	205	215	215	215	205	170	155	160	215	7	
23	155	185	(VA)	140	180	325	25	65	210	225	270	255	165	155	150	270	(VA)	185	150	145	140	155	150	170	8	
24	175	40	60	95	160	90	150	(VA)	140	260	270	285	290	285	220	180	180	195	210	0	185	155	170	165	9	
25	10	140	150	155	120	115	130	105	85	85	(VA)	255	215	0	325	320	125	160	205	175	150	160	155	135	7	
26	150	165	170	150	155	145	125	130	85	100	95	265	60	305	280	285	275	170	215	100	50	135	160	150	8	
27	140	150	145	150	150	145	145	125	25	240	245	305	270	265	240	215	220	215	160	170	135	125	30	85	8	
28	135	150	95	150	130	130	125	70	50	345	260	260	220	235	235	220	205	195	180	170	175	190	180	180	9	
29	175	205	210	200	275	130	45	5	310	290	220	235	210	185	195	200	190	175	180	165	155	250	260	270	10	
30	300	(VA)	130	135	170	90	55	50	15	(VA)	45	310	245	290	265	275	260	295	295	305	70	100	145	150	14	
31	140	165	145	150	145	150	160	145	95	290	300	335	300	305	305	290	320	330	320	340	300	145	145	150	7	
PV	8	8	8	8	7	7	7	(VA)	1	14	14	14	14	14	14	14	13	14	14	(VA)	8	8	8	8	8	

WIND DIRECTION (CC:02)
 WHITE RIVER SHALE PROJECT, #139
 HONAHUA, UTAH
 SITE #
 AS OF 02/JUN/81
 AUG, 1980
 AERU(VIRONMENT INC.)

 * FINAL DATA *
 * AS OF 02/JUN/81 *
 * *****

LEVEL HEIGHT 1 10 METERS

(LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SE	SE	ESE	ENE	NE	ENE	WNW	WNW	WNW	WNW	NW	SW	WSW	S	SSW	W	ENE	S	SE	S	S
2	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
3	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
4	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
6	NE	NE	NE	NE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
10	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	S	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
12	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
19	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
23	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
24	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
25	N	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
26	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	S	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
30	WNW	(VA)	SE	SE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	SE	SSE	SE	SSE	SE	SSE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

WIND DIRECTION (CC102)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

SEP, 1980

AFROVIRONMENT INC.

FINAL DATA

AS OF 02/JUN/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	165	150	140	150	160	145	145	120	210	350	295	(VA)	285	290	290	280	315	355	65	100	140	140	160	150	7	
2	145	150	145	130	125	145	135	120	55	345	300	285	280	275	235	245	245	240	220	170	155	185	(VA)	340	7	
3	130	(VA)	265	65	155	150	145	140	310	290	250	305	250	295	295	285	295	290	295	295	165	155	165	150	14	
4	150	150	145	145	135	140	145	75	260	300	300	265	250	280	295	305	280	255	340	135	150	140	145	150	7	
5	150	140	150	150	145	135	145	(VA)	305	330	335	315	315	295	325	315	320	310	350	100	155	150	165	115	A	
6	125	155	160	140	125	135	110	(VA)	200	225	265	280	270	205	215	255	290	330	345	160	155	155	160	160	A	
7	180	175	170	140	150	150	145	130	275	280	285	195	150	355	(VA)	355	(VA)	130	210	135	150	130	140	155	A	
8	270	(VA)	160	165	160	160	70	270	285	270	280	235	195	125	145	(VA)	275	15	20	265	(VA)	130	150	155	A	
9	150	145	185	180	260	(VA)	185	180	135	110	100	70	45	45	45	50	15	15	305	280	275	270	280	265	3	
10	265	220	15	0	345	305	205	90	330	55	285	275	225	230	155	(VA)	135	60	230	230	190	145	165	200	11	
11	175	150	155	140	135	125	115	20	280	200	220	245	235	240	235	240	270	265	290	250	210	175	170	170	11	
12	155	155	170	165	115	115	100	115	95	275	295	330	295	290	295	245	140	150	325	115	135	155	180	155	A	
13	155	155	160	175	135	145	140	140	(VA)	330	(VA)	190	195	185	190	195	210	200	195	160	160	155	155	155	A	
14	160	145	150	135	120	115	130	115	110	225	180	280	280	300	300	305	300	315	20	160	135	155	145	130	7	
15	140	135	140	135	145	145	145	80	340	335	270	285	290	285	260	270	255	230	215	205	170	210	130	135	7	
16	150	135	(VA)	125	155	180	165	125	10	280	290	280	285	280	275	270	275	285	280	275	270	245	200	145	13	
17	170	165	145	150	145	140	145	95	(VA)	260	275	260	275	260	255	265	275	220	285	155	155	165	165	160	A	
18	150	140	145	115	125	135	135	110	75	10	295	(VA)	285	265	195	195	200	185	180	175	175	185	140	185	9	
19	175	180	185	190	190	185	185	185	195	215	220	240	240	240	235	265	320	295	(VA)	315	355	5	260	55	9	
20	100	310	75	145	150	145	130	135	80	330	300	340	305	265	285	290	295	245	245	200	160	145	155	140	7	
21	130	140	135	135	135	110	150	(VA)	40	290	295	290	290	285	295	290	270	295	315	320	320	110	150	175	14	
22	165	225	(VA)	215	180	140	210	245	295	355	30	330	265	245	295	280	310	315	20	140	150	150	155	145	A	
23	150	140	145	135	125	110	120	120	45	300	280	285	265	240	285	260	340	5	35	135	150	160	115	155	7	
24	170	145	145	165	145	130	135	105	40	90	280	290	275	245	245	290	290	55	95	145	150	140	145	145	7	
25	145	140	150	170	150	160	175	200	245	295	300	275	275	295	265	285	300	310	335	145	145	145	145	145	(VA)	
26	150	145	140	140	130	115	145	130	35	300	300	290	290	290	280	315	345	5	90	145	145	140	150	145	7	
27	145	135	140	130	125	120	85	130	(VA)	315	335	315	295	265	280	315	345	325	105	150	150	150	145	135	7	
28	145	145	145	125	110	140	140	90	105	240	320	295	290	305	295	275	260	210	165	165	160	170	165	160	7	
29	155	155	145	145	115	150	135	100	95	10	305	300	280	280	270	265	330	310	330	55	135	155	150	150	7	
30	135	145	135	125	125	145	135	110	110	0	335	245	270	270	270	345	355	330	100	165	145	145	155	150	7	
PV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
MONANZA, UTAH

SITE 6

LEVEL HEIGHT : 10 FEET

SEP, 1980

AERONAVIGATION INC.

* FINAL DATA *
* AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SSE	SSE	SE	SSE	SSE	SE	SE	ESE	SSW	N	WNW	(VA)	WNW	WNW	WNW	W	NW	W	ENE	E	SE	SE	SSE	SSE	SE	
2	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
3	SE	(VA)	W	ENE	SSE	SE	SE	SE	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
4	SSE	SSE	SE	SE	SE	SE	SE	SE	ENE	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	SE	
5	SSE	SE	SSE	SE	SE	SE	SE	SE	(VA)	NW	NW	N	NW	NW	NW	NW	NW	NW	N	E	SSE	SSE	SSE	SSE	SE	
6	SE	SSE	SSE	SE	SE	SE	SE	(VA)	SSW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SE	
7	S	S	S	S	SSE	SSE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE	
8	W	(VA)	SSE	SSE	SSE	SSE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE	
9	SSE	SE	S	S	W	(VA)	S	S	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE	
10	W	SP	NNE	N	NW	NW	SSW	E	NW	NF	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	SE	
11	S	SSE	SSE	SE	SE	SE	ESE	NNE	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SE	
12	SSE	SSE	S	SSE	ESE	ESE	E	ESE	W	WNW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
13	SSE	SSE	SSE	S	SE	SE	SE	(VA)	WNW	(VA)	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SE	
14	SSE	SE	SSE	SE	FSE	ESE	ESE	ESE	SE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
15	SE	SE	SE	SE	SE	SE	SE	E	ENE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
16	SSE	SE	(VA)	SE	SSE	S	SSE	E	ENE	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	SE	
17	S	SSE	SE	SSE	SE	SE	SE	E	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE	
18	SSE	SE	SE	ESE	SE	SE	SE	ESE	ENE	N	WNW	(VA)	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	SE	
19	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE
20	E	W	ENE	SE	SSE	SE	SE	SE	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
21	SE	SE	SE	SE	SE	ESE	SSE	(VA)	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
22	SSE	SP	(VA)	SW	S	SE	SSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
23	SSE	SE	SE	SE	SE	SE	ESE	ESE	ENE	N	NNE	N	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	SE	
24	S	SE	SE	SE	SE	SE	SE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE	
25	SE	SE	SSE	S	SSE	SSE	S	SSE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
26	SSE	SE	SE	SE	SE	FSE	SE	SE	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
27	SE	SE	SE	SE	SE	ESE	E	(VA)	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	SE	
28	SE	SE	SE	SE	SE	ESE	SF	F	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
29	SSE	SSE	SE	SE	ESE	SSE	SE	E	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
30	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	
PV	SSE	SSE	SSE	SSE	SE	SE	SE	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE PIVEN SHALE PROJECT, #139
HONAUZA, UTAH
SITE 6
OCT, 1980
APPROVIAQUIMENT INC.

* FINAL DATA *
* AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	140	140	120	100	130	125	95	90	75	20	275	300	315	180	290	255	305	35	115	125	160	185	120	350	6
2	135	105	150	315	155	125	105	90	60	55	45	85	355	85	(VAI)	165	165	20	100	150	150	150	145	150	6
3	145	140	120	115	140	125	145	80	300	310	305	310	340	295	270	180	125	125	145	145	150	165	150	155	7
4	145	140	125	140	120	90	125	135	90	300	310	290	285	240	325	215	135	150	145	140	145	155	145	145	7
5	135	140	140	130	120	120	130	100	85	(VAI)	290	265	305	215	270	260	305	295	(VAI)	145	145	155	150	150	7
6	170	145	150	155	140	145	140	115	15	20	310	325	315	325	335	260	240	255	165	145	150	145	145	140	7
7	140	130	120	130	130	135	105	135	110	325	310	300	285	290	295	315	295	305	125	145	150	150	145	145	7
8	140	140	130	130	135	110	125	110	(VAI)	295	300	300	270	290	(VAI)	125	35	35	125	155	145	160	150	145	7
9	145	135	120	105	105	110	130	120	60	275	300	285	255	290	315	320	310	290	140	145	140	150	160	150	7
10	145	145	280	175	160	155	150	10	310	0	55	45	60	355	(VAI)	295	320	295	(VAI)	135	155	160	150	150	7
11	145	145	135	145	140	115	140	130	100	(VAI)	290	295	280	265	270	255	260	185	170	70	120	195	265	0	7
12	30	5	65	75	120	90	105	35	(VAI)	245	275	195	285	270	190	160	130	155	170	(VAI)	255	265	165	120	(VAI)
13	130	230	270	35	110	55	60	65	60	290	295	260	295	280	(VAI)	140	120	135	160	210	295	325	205	155	14
14	140	145	140	145	190	145	165	170	150	15	70	295	60	55	90	35	60	150	150	250	305	60	225	125	6
15	140	110	160	55	135	185	180	125	85	165	150	155	150	195	145	165	145	160	115	60	60	35	60	0	6
16	310	355	105	270	265	255	325	45	60	75	70	50	20	25	25	5	240	215	255	240	265	265	270	275	12
17	285	305	25	160	160	165	185	175	220	265	270	270	275	295	(VAI)	285	(VAI)	(VAI)	275	(VAI)	260	(VAI)	(VAI)	(VAI)	14
18	(VAI)	175	190	165	150	170	160	170	160	185	(VAI)	275	270	300	(VAI)	(VAI)	270	125	125	155	155	145	145	145	6
19	135	110	120	130	130	130	130	125	85	310	245	285	295	315	295	300	290	315	110	145	155	140	145	135	7
20	145	135	140	135	120	120	145	140	115	35	305	250	275	315	275	300	(VAI)	0	120	150	135	125	130	140	7
21	135	140	125	130	150	110	95	145	115	80	340	290	280	245	285	270	230	20	140	140	130	145	145	170	7
22	150	140	95	130	125	125	(VAI)	205	260	275	265	265	270	280	280	285	285	285	320	330	355	345	70	50	13
23	115	145	145	135	35	70	30	290	85	75	50	50	5	(VAI)	(VAI)	(VAI)	310	0	95	145	155	150	145	135	7
24	135	130	125	145	140	95	125	145	135	(VAI)	350	0	335	280	270	305	300	280	200	150	155	150	155	150	7
25	150	140	140	130	140	150	130	120	90	290	275	295	305	280	325	305	80	130	145	140	150	145	125	130	7
26	120	145	140	125	80	100	(VAI)	120	80	(VAI)	315	(VAI)	290	275	270	280	200	65	65	305	235	235	275	145	7
27	125	150	155	155	160	190	185	140	15	50	70	70	65	60	55	55	55	50	55	55	25	30	350	10	3
28	75	130	195	(VAI)	140	135	210	(VAI)	120	275	310	315	15	40	355	5	75	115	155	150	150	145	140	145	7
29	130	125	115	95	125	90	90	125	75	325	5	290	265	255	320	330	330	325	110	155	150	145	140	145	7
30	115	145	110	120	135	130	130	110	145	295	320	300	260	(VAI)	290	255	325	325	135	155	145	145	150	145	7
31	140	140	85	130	140	145	135	120	75	(VAI)	275	290	300	285	300	325	300	190	140	145	145	150	150	150	7
PV	7	7	7	7	7	6	7	6	5	14	14	14	14	14	14	14	14	14	7	7	7	6	7	7	7

FIELD OBSERVATIONS (CC:02)

WHITE RIVER SHALE PROJECT, #139
HUGANZA, UTAH
SITE 6

LEVEL HEIGHTS : 10 METERS

***** FINAL DATA *****
***** AS OF 02/JUN/81 *****

OCT, 1980

AEROKROPPMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	NE	SE	ESE	E	SE	SE	E	E	ESE	NNE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	FSF	N	ESE
2	SE	ESE	SSE	NW	SSE	SE	ESE	E	E	E	NE	WNW	NW	E	N	E	SSE	NE	ESE	SE	SSE	SSE	S	FSF	SSE
3	SE	SE	ESE	ESE	SE	SE	ESE	E	E	E	NE	NW	NW	E	N	E	SE	SE	ESE	SE	SSE	SSE	S	FSF	SE
4	SE	SE	SE	ESE	E	ESE	SE	E	E	E	WNW	WNW	WNW	W	WNW	NW	SW	SE	SSE	SE	SSE	SSE	S	FSF	SE
5	SE	SE	SE	ESE	ESE	ESE	SE	E	E	E	WNW	WNW	WNW	W	WNW	NW	SW	(VA)	SE	SSE	SE	SSE	SSE	S	FSF
6	S	S	SSE	SSE	SE	SE	ESE	SE	ESE	NNE	NW	NW	NW	NW	NW	W	WSW	WSW	SSE	SE	SSE	SSE	S	FSF	SE
7	SE	SE	SE	SE	SE	SE	ESE	SE	ESE	ENE	NW	WNW	WNW	WNW	WNW	NW	WNW	NW	ESE	SE	SSE	SSE	S	FSF	SE
8	SE	SE	SE	SE	SE	SE	ESE	E	ESE	(VA)	WNW	WNW	WNW	W	WNW	(VA)	SE	NE	ESE	SE	SSE	SSE	S	FSF	SE
9	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	W	WNW	WNW	WNW	WNW	WNW	(VA)	SE	NE	ESE	SE	SSE	SSE	S	FSF	SE
10	SE	SE	SE	SSE	SSE	SSE	SSE	N	N	N	NE	NE	ENE	N	(VA)	WNW	NW	WNW	(VA)	SE	SSE	SSE	S	FSF	SSE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	WNW	WNW	W	W	W	WSW	W	S	ENE	ESE	SSE	S	FSF	N	SE
12	NNE	N	ENE	ENE	ESE	E	ESE	ENE	(VA)	WSW	W	SSW	WNW	W	W	SSE	SE	SSE	(VA)	WSW	W	SSE	W	FSF	ESE
13	SE	SW	W	ENE	ESE	NE	ENE	ENE	ENE	WNW	WNW	W	WNW	W	(VA)	SE	ESE	SE	SSE	SSW	NW	WSW	W	FSF	ESE
14	SE	SE	SE	SE	SE	SE	SSE	S	SSE	JUDE	ENE	WNW	ENE	NE	E	NE	ENE	SE	SSE	SSW	NW	WSW	W	FSF	ESE
15	SE	ESE	SSE	NE	SE	S	S	S	E	SSE	SSE	ENE	SSE	SSE	SE	SSE	SE	SSE	ESE	ENE	ENE	ENE	N	FSF	ESE
16	WNW	NW	NNE	ENE	W	WSW	NW	NE	ENE	ENE	ENE	NE	NNE	NNE	N	WSW	SE	WSW	ENE	ENE	ENE	ENE	N	FSF	ESE
17	WNW	NW	NNE	SSE	SSE	SSE	SSE	S	S	SW	W	W	NNE	NNE	N	WSW	SE	WSW	ENE	ENE	ENE	ENE	N	FSF	ESE
18	(VA)	S	SSE	SSE	SSE	SSE	SSE	S	S	S	(VA)	W	W	W	WNW	(VA)	W	SE	SE	SSE	W	(VA)	W	FSF	ESE
19	SE	FSE	FSE	SE	SE	SE	SE	SE	E	ENE	WSW	WNW	WNW	NW	NW	WNW	W	SE	SE	SSE	W	(VA)	W	FSF	ESE
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	NW	NW	WNW	W	SE	SE	SSE	W	(VA)	W	FSF	ESE
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	NW	NW	WNW	W	SE	SE	SSE	W	(VA)	W	FSF	ESE
22	SSE	SE	E	SE	SE	SE	(VA)	SSW	F	SE	ENE	WNW	W	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
23	ESE	NE	SE	NE	NE	NE	ENE	WJAY	E	ENE	NE	NE	N	N	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
24	SE	SE	SE	SE	SE	E	SE	SE	SE	(VA)	W	W	N	N	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
25	SSE	SE	SE	SE	F	E	SE	SE	ESE	E	WNW	WNW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
26	ESE	SE	SE	SE	F	E	(VA)	ESE	E	(VA)	NW	WNW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
27	SE	SSE	NNE	SSE	SSE	S	SE	SE	SE	JUDE	ENE	ENE	ENE	ENE	ENE	W	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
28	ENE	SE	SSE	(VA)	SE	SE	SSE	(VA)	ESE	ENE	WNW	WNW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
29	SE	SE	ESE	E	SE	E	E	SE	ESE	ENE	NW	NW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
30	ESE	SE	ESE	ESE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
31	SE	SE	E	SE	SE	SE	SE	SE	ESE	ENE	(VA)	W	WNW	WNW	WNW	W	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE
PV	SE	SE	SE	SE	SE	ESE	SE	ESE	E	ENE	WNW	WNW	WNW	W	W	WSW	SE	ENE	ENE	ENE	ENE	ENE	N	FSF	ESE

WIND DIRECTION ICC021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BOPANZA, UTAH
 SITE 6
 NOV, 1980
 AEROSOL ENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	135	145	140	130	105	155	135	95	35	305	310	305	260	240	235	280	90	190	150	140	160	130	105	7
2	135	145	145	135	125	50	95	85	110	215	240	(VAI)	345	45	265	270	310	350	120	150	140	130	140	145	7
3	105	110	115	125	120	110	85	100	95	50	(VAI)	220	290	285	235	285	310	50	120	160	155	160	150	150	6
4	155	140	135	125	90	110	110	100	70	340	295	280	275	280	305	20	310	35	125	150	155	150	135	140	7
5	140	145	140	115	125	105	140	120	115	30	315	330	290	295	295	295	265	280	145	150	145	150	150	150	7
6	150	135	145	140	105	65	120	110	85	(VAI)	285	310	325	280	255	(VAI)	250	350	160	230	(VAI)	160	160	160	7
7	(VAI)	(VAI)	80	135	90	115	80	100	145	10	280	320	260	275	240	230	225	170	170	160	90	35	75	(VAI)	5
8	295	255	240	230	230	240	225	220	225	275	295	300	285	290	290	295	295	280	190	160	170	160	145	145	18
9	120	130	115	140	145	115	140	140	100	(VAI)	345	310	270	265	275	265	230	115	140	130	135	135	125	125	7
10	135	135	140	130	140	110	125	125	115	(VAI)	275	300	265	270	280	280	275	155	140	140	140	140	130	130	7
11	115	130	120	60	90	105	130	135	90	310	340	345	275	275	260	165	275	150	200	170	200	220	(VAI)	(VAI)	7
12	305	90	145	150	140	190	180	165	95	50	200	190	190	210	235	170	170	275	290	50	135	165	210	75	9
13	140	100	170	65	65	75	80	90	70	75	65	85	80	85	70	60	65	60	75	80	65	80	80	80	5
14	80	85	100	95	105	100	90	85	95	85	85	60	50	70	25	95	45	60	60	60	45	95	145	135	4
15	140	155	155	155	140	150	145	145	145	280	280	310	305	305	305	45	50	70	30	35	35	100	70	85	7
16	75	95	(VAI)	195	145	185	140	240	265	280	55	95	80	235	(VAI)	260	305	340	105	125	150	160	280	330	7
17	240	145	155	170	155	160	150	125	125	110	(VAI)	290	295	265	225	235	105	35	135	150	150	155	135	145	7
18	135	130	145	150	145	105	130	145	130	25	280	270	275	270	325	285	330	60	150	145	150	155	145	145	7
19	145	150	145	140	115	100	150	100	120	(VAI)	280	290	295	300	260	260	265	15	115	155	165	150	150	150	8
20	195	110	140	135	105	110	115	115	135	(VAI)	310	295	270	305	315	270	270	75	145	150	140	135	125	130	7
21	130	110	140	90	140	115	75	105	155	250	240	290	280	275	270	260	310	155	150	145	125	120	85	130	7
22	125	55	10	75	(VAI)	85	35	345	150	90	50	5	350	15	305	(VAI)	150	155	145	135	150	155	155	150	6
23	135	135	145	140	150	140	150	145	135	(VAI)	295	300	290	335	310	320	0	0	155	220	170	(VAI)	345	355	7
24	210	330	325	30	345	315	310	275	270	275	275	(VAI)	270	255	145	250	340	50	50	(VAI)	(VAI)	85	150	(VAI)	13
25	(VAI)	160	155	(VAI)	160	(VAI)	190	(VAI)	135	(VAI)	280	265	270	285	255	270	190	165	140	150	180	165	90	35	8
26	170	145	155	145	150	155	160	150	125	(VAI)	235	240	280	270	265	245	205	125	150	155	150	150	150	140	8
27	115	115	130	100	100	140	115	150	145	(VAI)	290	300	5	15	315	225	275	255	270	195	130	140	140	145	6
28	145	140	135	135	100	110	130	105	190	(VAI)	300	275	280	270	275	235	235	130	145	(VAI)	135	140	135	140	7
29	145	155	105	135	125	145	110	120	45	280	270	305	250	270	300	240	125	85	125	150	145	70	125	145	7
30	135	145	145	95	20	65	25	60	15	280	305	320	275	300	50	240	235	250	200	60	405	230	205	260	13
PV	7	7	7	7	6	6	7	7	7	7	13	14	14	14	13	14	13	15	3	7	8	8	7	7	7

ADJUT (21 JAN 81)

WIND DIRECTION (CC102)

WHITE RIVER SHALF PROJECT, #119
HONANZA, UTAH
SITE 6

LEVEL HEIGHT : 10 METERS

NOV, 1980

AERVIROPHMENT INC.

.....
* FINAL DATA *
* AS OF 02/JUN/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SE	SE	ESE	SSE	SE	E	NE	HW	NW	NW	NW	N	WSW	SW	W	E	SE	SSE	SE	SSE	SE	ESE	SE
2	SE	SE	SE	SE	ESE	ESE	E	ESE	NE	WSW	NW	NW	NW	NE	W	NW	NW	NE	ESE	SSE	SE	SSE	SE	ESE	SE
3	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	(VA)	SW	SW	SW	W	WSW	WSW	NW	NE	ESE	SSE	SE	SSE	SE	ESE	SE
4	SSE	SE	SE	SE	ESE	ESE	E	E	E	NW	W	W	W	N	NW	NW	NW	NE	SE	SSE	SE	SSE	SE	ESE	SE
5	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	W	WSW	WSW	W	SW	SE	SSE	SE	SSE	SE	ESE	SE
6	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	NW	NW	NW	W	WSW	WSW	W	SW	SE	SSE	SE	SSE	SE	ESE	SE
7	(VA)	(VA)	E	SE	ESE	ESE	E	E	SE	N	W	W	W	N	WSW	WSW	SW	S	SE	SSE	E	NE	ESE	(VA)	E
8	NW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSE	SSE	SSE	SSE	WSW
9	ESE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	(VA)	(VA)	(VA)	W	W	W	W	ESE	SE	SE	SE	SE	SE	SE	WSW
10	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	SE
11	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	W	WSW	WSW	W	WSW	WSW	S	WSW	WSW	(VA)	(VA)	SE
12	NW	E	SE	SE	ESE	ESE	ESE	ESE	ESE	NE	S	S	S	W	WSW	WSW	S	W	WSW	WSW	NE	SE	SSE	ESE	S
13	SE	E	E	E	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	ESE	ESE	E	ESE	ESE	ESE	E	E	E	E	E
14	E	E	E	E	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	ESE	ESE	E	ESE	ESE	ESE	E	E	E	E	E
15	SE	SSE	SSE	SSE	ESE	ESE	ESE	ESE	ESE	W	W	W	W	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
16	ESE	E	(VA)	SSE	ESE	ESE	ESE	ESE	ESE	W	W	W	W	W	(VA)	W	W	W	ESE	SE	SE	SE	SE	ESE	ESE
17	WSW	SE	SSE	SSE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
18	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	W	W	W	W	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
19	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	W	W	W	W	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
20	SSE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	W	W	W	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
21	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	WSW	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
22	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	E	NE	N	N	N	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
23	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
24	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	S	(VA)	WSW	WSW	WSW
25	(VA)	SSE	(VA)	SSE	(VA)	SSE	(VA)	S	(VA)	W	W	W	W	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
26	S	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
27	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	N	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
28	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
29	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
30	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE
PV	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	WSW	WSW	WSW	WSW	W	WSW	WSW	W	W	ESE	SE	SE	SE	SE	ESE	ESE

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE # 6

DEC, 1980

AEKOVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 02/JUN/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	260	275	295	60	145	160	205	240	110	270	(VA)	275	275	245	235	215	225	(VA)	140	150	140	135	135	105	7	
2	110	140	130	60	180	155	85	135	(VA)	170	270	265	275	245	250	270	270	135	135	115	125	140	165	325	7	
3	55	(VA)	135	75	90	160	(VA)	260	245	(VA)	240	(VA)	20	295	305	275	200	185	210	195	200	170	105	100	10	
4	125	120	125	70	125	345	55	200	200	200	(03)	200	205	210	215	205	200	255	150	185	185	195	160	10		
5	185	175	170	(VA)	95	150	90	(VA)	25	355	335	265	265	185	250	290	265	300	70	145	130	115	(VA)	14		
6	145	50	(VA)	115	155	240	145	275	275	265	(VA)	150	120	350	350	55	105	185	155	315	225	(VA)	80	95	6	
7	170	240	255	175	275	85	35	75	55	0	45	5	35	55	35	55	(VA)	15	65	90	60	50	90	90	3	
8	105	85	70	25	(VA)	15	325	60	115	15	25	75	295	5	15	285	255	215	150	155	150	165	145	135	8	
9	140	140	105	140	45	170	260	355	275	265	270	280	280	255	250	240	150	130	140	150	140	115	140	145	7	
10	150	130	125	150	135	145	140	100	125	115	40	345	335	260	270	290	340	20	130	145	155	140	145	145	7	
11	135	75	100	140	140	145	145	165	140	180	250	275	270	240	275	270	255	220	145	140	155	140	145	145	7	
12	140	140	150	130	140	120	135	135	95	60	300	275	340	290	260	265	285	65	150	150	135	150	140	145	7	
13	145	140	125	125	130	110	130	115	130	110	275	275	290	300	285	275	310	95	145	150	150	140	145	145	7	
14	150	145	130	125	100	150	95	75	125	(VA)	65	275	275	275	315	315	170	150	150	150	135	140	135	8		
15	135	140	75	85	130	70	130	120	90	100	315	260	270	255	335	35	(VA)	240	275	150	150	115	100	115	100	7
16	145	135	130	110	130	130	205	75	110	120	305	290	270	270	260	265	265	215	145	140	150	150	150	130	7	
17	120	150	110	105	120	135	145	45	130	105	235	305	340	275	260	260	255	240	130	145	170	145	115	115	7	
18	145	110	140	130	135	105	125	110	100	145	310	295	270	270	270	265	260	260	145	150	125	135	145	145	7	
19	145	150	145	150	140	140	135	145	145	195	275	350	345	240	270	260	255	60	135	150	135	130	150	145	7	
20	145	130	145	135	125	135	120	90	125	135	350	(VA)	270	270	300	270	275	180	145	145	150	140	145	145	7	
21	145	140	120	135	140	110	75	115	90	65	290	265	255	275	265	270	265	75	145	135	65	125	350	85	7	
22	25	140	90	110	110	45	25	110	45	70	25	30	(VA)	205	275	220	140	220	75	40	115	155	250	195	2	
23	100	120	140	155	205	175	135	125	90	180	225	260	265	245	290	255	(VA)	120	150	145	160	155	120	140	7	
24	145	135	115	110	105	135	130	130	130	85	285	300	270	270	265	265	265	230	150	145	155	110	95	135	7	
25	140	180	95	135	135	130	125	90	105	70	55	255	270	245	240	245	265	160	145	175	125	135	100	110	7	
26	115	135	85	105	(VA)	150	140	125	145	110	320	310	310	240	320	295	340	325	140	145	155	150	145	150	7	
27	150	130	145	145	120	125	145	140	135	115	335	45	275	325	295	245	245	315	115	135	140	145	140	155	7	
28	135	110	150	85	90	60	65	130	165	110	250	310	265	265	265	265	280	(VA)	155	150	140	150	140	140	8	
29	140	150	145	135	135	130	105	105	90	(VA)	300	275	295	300	255	270	145	145	150	145	145	130	145	145	7	
30	105	140	145	135	140	140	150	130	80	(VA)	325	295	280	265	265	260	260	0	140	145	160	150	130	150	7	
31	155	140	135	135	140	125	100	120	125	(VA)	335	290	275	270	270	265	270	315	135	155	155	155	150	160	7	
PV	7	7	6	7	6	7	7	6	6	5	(VA)	14	13	13	14	13	13	11	7	8	8	7	7	7	7	

.....
AUGUST (21 JAN 81)

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #139

BODANZA, UTAH
SITE #

LEVEL HEIGHT 10 METERS

DEC, 1980

AFROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 02/JUN/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
2	ESE	SE	SE	ENE	SE	SSE	SSW	MSW	ESE	W	(VA)	W	W	WSW	WSW	W	SW	(VA)	SE	SSE	SE	SE	SE	SE	SE
3	NE	(VA)	SE	ENE	E	SSE	(VA)	W	MSW	(VA)	W	W	W	MSW	MSW	W	W	W	SE	ESE	SSW	SSW	SSW	SSW	SSW
4	SE	ESE	SE	ENE	SE	NNW	NE	SSW	SSW	(03)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	S	S	S	(VA)	E	SSE	E	(VA)	NNE	N	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
6	SE	NE	(VA)	ESE	SSE	WSW	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	S	WSW	WSW	S	W	E	E	NE	ENE	NE	N	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
8	ESE	E	ENE	NNE	(VA)	NNE	NW	ENE	ESE	MNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
9	SE	SE	ESE	SE	NE	S	W	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SE	SE	SE	SSE	SE	SE	SE	E	SE	ESE	NE	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W	W
11	SE	ENE	E	SE	SE	SE	SE	SE	SE	S	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	SE	SE	SSE	SE	SE	ESE	SE	SE	E	ENE	NNW	W	NNW	W	W	W	W	W	W	W	W	W	W	W	W
13	SE	SE	SE	SE	SE	ESE	SE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	SSE	SE	SE	SE	E	SSE	SE	E	ENE	SE	(VA)	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W
15	SE	SE	E	SE	E	ENE	SE	E	E	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SE	SE	SE	ESE	SE	SE	SSW	ENE	ESE	ENE	NW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
17	ESE	SSE	ESE	ESE	ESE	SE	SE	E	SE	ESE	SW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	ESE	SE	SE	SE	ESE	SE	E	SE	ENE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SE	SSE	SE	SSE	SE	SE	SE	SE	SE	SSW	W	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
20	SE	SE	SE	SE	SE	SE	ESE	E	SE	SE	N	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	SE	ESE	SE	SE	ESE	ENE	ESE	E	ENE	NNW	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W
22	NNE	SE	E	ESE	ESE	NE	NNE	ESE	NE	ENE	NNE	(VA)	SSW	W	W	W	W	W	W	W	W	W	W	W	W
23	E	ESE	SE	SSE	SSW	S	SE	SE	E	S	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	SE	SE	ESE	ESE	ESE	SE	E	SE	SE	E	ENE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
25	SE	S	E	SE	SE	SE	SE	E	ESE	ENE	NE	MSW	W	W	W	W	W	W	W	W	W	W	W	W	W
26	ESE	SE	E	ESE	(VA)	SSE	SE	E	SE	ESE	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SSE	SE	SE	SE	ESE	SE	SE	SE	SE	ESE	NNW	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	SE	ESE	SE	E	E	ENE	ENE	ENE	ENE	ESE	WSW	NW	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	(VA)	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ESE	SE	SE	SE	SE	SE	SE	SE	SE	E	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
31	SSE	SE	SE	SE	SE	SE	F	ESE	SE	(VA)	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	SE	SE	ESE	SE	ESE	SE	SE	ESE	ESE	F	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CCR161)
 DEGREES
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 JAN. 1980

AEROENVIRONMENT INC.

FINAL DATA
 AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	145	10	120	170	160	155	155	220	85	170	310	325	265	280	270	255	250	140	215	255	165	215	180	6
2	300	165	260	195	260	265	275	325	350	345	20	340	285	255	315	0	315	275	320	280	280	280	250	85	13
3	355	290	(VAI)	160	170	165	170	165	165	175	295	310	315	310	270	265	275	275	270	70	(VAI)	(VAI)	325	305	(VAI)
4	250	315	205	195	250	280	315	275	290	270	320	105	320	295	255	285	275	265	270	300	310	350	(VAI)	0	13
5	350	45	30	200	180	165	155	140	105	180	170	200	290	0	280	270	45	5	320	300	225	(VAI)	140	170	9
6	85	35	10	330	55	55	60	140	165	195	235	275	315	40	60	70	70	85	125	155	160	225	130	4	
7	140	85	60	35	125	135	235	340	20	175	120	350	(VAI)	275	325	25	125	155	150	155	180	225	130	4	
8	75	105	40	350	20	45	60	110	160	290	295	280	285	(VAI)	175	130	50	180	210	240	210	250	205	9	
9	165	105	145	130	130	155	120	155	160	170	175	175	180	185	190	200	210	190	190	195	180	170	195	190	9
10	180	190	185	185	190	180	180	190	190	190	190	200	205	265	265	275	275	275	275	275	265	275	245	150	9
11	170	150	140	145	145	140	105	205	145	225	345	320	(VAI)	140	305	285	30	(VAI)	200	270	315	345	335	345	7
12	255	230	(VAI)	255	155	280	295	245	270	260	340	290	285	330	345	290	215	10	(VAI)	160	150	(VAI)	160	160	14
13	20	315	125	140	165	(VAI)	60	85	(VAI)	(VAI)	295	285	275	275	285	285	280	300	310	290	275	270	185	190	14
14	195	190	185	175	165	180	185	225	265	150	145	195	150	180	35	70	55	(VAI)	70	105	135	(VAI)	200	205	9
15	205	185	155	150	100	140	265	285	270	230	215	290	280	275	355	55	60	45	45	205	280	215	205	90	13
16	130	230	170	170	175	155	165	235	275	20	265	300	295	325	345	355	330	270	220	300	300	285	310	10	14
17	315	135	165	110	65	35	105	170	155	70	65	0	325	295	275	270	320	340	315	165	105	150	150	155	14
18	170	125	135	85	100	(VAI)	250	160	225	250	200	315	325	270	265	270	255	265	265	70	75	80	75	13	13
19	85	80	60	75	75	75	75	80	75	35	70	50	55	45	45	45	65	40	75	70	75	50	65	65	4
20	85	145	145	170	160	160	155	165	160	95	175	305	290	300	270	310	345	325	330	250	260	90	160	175	4
21	205	255	225	310	350	30	355	75	305	315	310	340	290	285	(VAI)	320	280	280	285	320	315	295	305	320	14
22	320	335	345	340	345	45	90	85	95	90	330	60	350	25	335	310	20	35	90	125	160	140	150	150	14
23	145	110	155	125	90	155	175	85	145	(VAI)	310	290	275	295	280	300	285	280	290	290	265	165	275	15	14
24	305	125	90	135	295	65	(VAI)	80	145	45	95	335	(VAI)	340	305	240	295	295	290	315	275	260	320	245	14
25	320	(VAI)	(VAI)	335	305	280	345	25	(VAI)	315	25	305	260	270	270	315	0	310	165	60	75	70	55	45	15
26	40	45	60	45	25	65	35	45	40	55	325	0	0	35	35	40	50	60	80	50	60	65	40	45	13
27	55	100	10	15	80	55	90	75	55	35	275	265	280	310	305	315	285	275	255	180	275	250	255	75	13
28	35	55	60	60	45	45	35	40	45	25	50	35	40	40	30	55	35	55	20	20	(VAI)	280	235	160	3
29	35	35	170	110	340	(VAI)	270	310	0	345	290	245	265	265	275	290	190	220	165	60	185	140	215	120	13
30	155	130	155	145	135	130	120	155	100	60	(VAI)	15	250	235	110	40	200	(VAI)	100	170	165	160	170	160	14
31	140	150	145	155	155	125	110	85	135	15	5	265	245	200	340	245	260	245	275	280	235	315	(VAI)	95	7
PV	7	7	7	7	6	6	9	(VAI)	6	4	15	14	14	14	13	14	13	13	13	14	13	13	11	9	9

AUGUST (21 JAN 81)

WIND DIRECTION 1000161

LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JAN. 1960

AEROENVIRONMENT INC.

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* * * * *
* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/61 * * * * *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	N	ESE	S	SSE	SSE	SSE	SW	E	S	NW	NW	W	W	WSW	WSW	WSW	S	SW	WSW	SSE	SW	S	SSE
2	WNW	SSE	W	SSW	W	WNW	W	NW	N	NNW	NNE	NNW	NNW	WSW	NW	N	NW	W	NW	W	WSW	SSE	SW	S	SSW
3	N	WNW	(VA)	SSE	S	SSE	SSE	SSE	SSE	S	WNW	NW	NW	WNW	W	W	W	W	W	ENE	(VA)	(VA)	NW	NW	(VA)
4	WSW	NW	SSW	SSW	WSW	W	WNW	W	WNW	W	NW	ENE	WNW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	N	N	N	N	W
5	N	NE	NNE	SSW	S	SSE	SE	SE	SE	S	S	SSW	WNW	N	W	W	W	W	W	WNW	SW	(VA)	SE	S	S
6	E	NE	N	NNW	NE	NE	ENE	SE	SE	SSW	SW	N	NW	NE	NE	ENE	ENE	ENE	E	SE	SSE	SSE	SW	SE	ENE
7	SE	E	ENE	NE	SE	SE	SW	NNW	NNE	ENE	ENE	W	NW	NNE	SE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	E	ENE	SE
8	ENE	ESE	NE	N	NNE	NE	ENE	ESE	SSE	WNW	WNW	W	WNW	S	(VA)	S	SSW	SSW	S	SW	WSW	SSW	WSW	SSW	S
9	SSE	ESE	SE	SE	SE	SSE	ESE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
10	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	S	SSE	SE	SE	SE	SE	ESE	SSW	SE	SW	NNW	NNW	NNW	(VA)	SE	NW	NNW	NNE	(VA)	SSW	W	NW	NNW	SSE	S
12	WSW	SW	(VA)	WSW	SSE	W	WNW	WSW	W	W	NNW	NNW	NNW	NNW	SW	N	(VA)	SSE	SSE	(VA)	(VA)	(VA)	NW	NW	SE
13	NNE	NW	SE	SE	SSE	(VA)	ENE	E	(VA)	(VA)	WNW	WNW	W	W	WNW	WNW	W	W	W	WNW	W	W	S	SSE	WNW
14	SSW	S	S	S	SSE	S	S	W	SSE	SE	SSW	SSE	S	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	SE	SSW	SSW	S
15	SSW	S	SSE	SSE	E	SE	W	WNW	W	SW	SW	WNW	W	N	NE	ENE	NE	NE	NE	SSW	W	SW	SSW	E	W
16	SE	SW	S	S	SSE	SSE	SW	SW	W	NNE	W	WNW	NNW	NNW	N	NNW	NNW	N	SW	WNW	WNW	NW	N	N	WNW
17	NW	SE	SSE	ESE	ENE	NE	ESE	S	SSE	ENE	ENE	N	NW	NNW	W	W	NNW	NNW	NNW	NNW	ENE	ENE	N	N	WNW
18	S	SE	SE	E	(VA)	WSW	SSE	SW	WSW	SSW	SSW	NW	NW	W	W	WSW	W	W	W	ENE	ENE	ESE	E	E	W
19	E	E	E	ENE	ENE	ENE	E	E	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	E	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	E	S	NNW	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
21	SSW	WSW	SW	NW	N	NNE	N	ENE	NW	NW	NW	NNW	NNW	(VA)	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
22	SE	FSE	SSE	SE	E	SSE	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
23	NW	SE	E	SE	WNW	EPE	(VA)	E	SE	NE	E	NNW	(VA)	NNW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
24	NW	(VA)	(VA)	NNW	NW	W	NNW	NNE	(VA)	NNW	NNE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
25	NE	NE	ENE	NE	NNE	ENE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	NE	NE	ENE	NE	NNE	ENE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	N	N	N	N	N	N
27	NE	NE	ENE	NE	NNE	ENE	NE	NE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	NE	NE	ENE	NE	NNE	ENE	NE	NE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	NE	NE	ENE	NE	NNE	ENE	NE	NE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	SSE	SE	SSE	SE	SE	SE	ESE	SSE	E	ENE	(VA)	NNE	WSW	SW	ENE	NE	SSW	(VA)	E	S	SSE	SSE	S	SSE	SSE
31	SE	SSE	SE	SSE	SE	SE	ESE	E	SE	NNE	N	NNW	WSW	NNW	WNW	W	W	W	W	W	W	W	W	W	W
PV	SE	SE	SE	SE	SSE	SSE	S	(VA)	SSE	EPE	NW	WNW	NNW	NNW	W	WNW	W	W	W	W	W	SSE	SW	S	SSE

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 6
 FEB, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC#16)
 DEGREES
 LEVEL HEIGHT 1.20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	165	170	125	(VAI)	155	115	130	100	(VAI)	290	245	320	305	270	270	275	265	250	150	60	60	170	170	65	13	
2	130	150	225	95	165	240	160	130	165	290	225	280	275	300	270	245	335	(VAI)	225	245	345	190	340	150	A	
3	150	(VAI)	180	350	280	270	(VAI)	55	75	225	250	290	305	285	270	265	270	290	200	115	75	340	160	210	13	
4	45	70	50	50	150	105	220	305	300	270	(VAI)	290	305	285	275	255	275	200	165	(VAI)	195	180	140	140	14	
5	110	120	160	135	90	160	90	65	195	330	25	305	285	270	265	285	265	255	260	210	(VAI)	155	(VAI)	175	13	
6	240	250	110	165	130	(VAI)	165	140	145	(VAI)	320	260	290	275	270	260	275	270	305	310	355	155	145	15	15	
7	150	70	0	260	280	260	275	285	230	260	280	290	250	260	(VAI)	60	50	40	10	5	335	225	30	13	13	
8	25	40	155	165	175	165	160	160	160	170	315	275	285	270	285	305	310	350	130	160	155	160	150	155	A	
9	165	160	135	145	155	145	130	130	165	315	245	280	275	270	275	275	270	260	265	305	125	150	170	145	7	
10	135	145	115	70	140	150	70	55	320	55	325	285	320	270	265	265	270	265	270	255	(VAI)	155	155	145	(VAI)	
11	145	160	150	130	125	140	130	90	145	50	325	290	270	275	260	265	270	265	270	255	190	165	160	150	7	
12	155	140	145	85	145	145	85	110	170	325	285	275	280	275	285	265	275	245	245	245	160	170	185	175	13	
13	70	155	175	140	150	155	80	150	(VAI)	(VAI)	260	285	340	310	275	275	280	280	270	265	265	225	245	(VAI)	13	
14	355	280	255	(VAI)	20	10	80	140	(VAI)	245	280	285	285	270	280	265	275	280	260	130	55	45	25	115	13	
15	155	170	170	120	125	230	(VAI)	40	275	240	270	270	275	275	275	280	265	260	230	230	320	320	5	(VAI)	13	
16	145	175	50	120	125	165	150	185	290	0	130	320	340	265	280	275	265	290	285	335	295	305	285	270	14	
17	300	300	280	210	275	265	245	300	150	275	270	270	320	310	240	40	320	260	355	80	105	230	(VAI)	55	13	
18	150	320	190	230	105	220	305	20	45	115	175	255	280	270	285	195	160	155	150	255	205	165	160	165	8	
19	185	185	265	165	165	140	100	125	110	125	320	195	235	215	200	185	170	210	110	105	60	220	5	330	9	
20	55	130	155	160	160	175	175	190	225	155	205	165	170	190	205	215	290	315	120	175	160	170	170	160	9	
21	200	255	195	295	95	(VAI)	125	95	100	340	195	185	120	180	140	195	270	275	270	315	335	280	175	(VAI)	10	
22	180	(VAI)	105	250	270	175	155	175	200	250	270	275	275	285	285	320	295	315	45	145	165	175	220	195	13	
23	135	145	170	200	175	190	115	165	210	275	330	275	295	295	290	295	280	80	30	65	145	155	175	175	9	
24	185	140	140	170	165	145	140	155	110	240	320	325	265	265	290	290	270	315	0	120	160	155	165	165	A	
25	160	165	150	145	150	145	155	150	135	280	275	270	290	335	330	315	335	325	270	185	130	150	170	165	A	
26	155	150	155	145	110	140	145	120	145	265	270	275	260	310	340	310	275	285	240	205	165	165	170	165	A	
27	160	160	155	110	125	140	160	155	70	335	305	295	295	270	270	270	270	270	145	145	145	140	155	140	155	A
28	160	160	130	135	135	120	185	170	135	285	275	265	265	275	310	325	310	355	225	260	260	230	160	165	A	
29	300	280	85	165	165	155	170	185	190	195	265	290	290	40	330	335	0	355	20	75	100	80	70	85	5	
PV	8	6	6	7	6	7	6	8	7	13	13	14	14	14	14	13	13	13	13	13	12	12	13	13	8	A

WIND DIRECTION (CCIIA)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 20 METERS

FEB. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	S	SE	(VA)	SSE	ESE	SE	E	(VA)	WNW	WSW	NW	NW	W	W	W	WSW	WSW	SSE	ENE	ENE	S	S	ENE	W
2	SE	SSE	(VA)	S	N	W	W	SE	SSE	WNW	NNE	W	W	W	WSW	WNW	(VA)	SW	WSW	WNW	WNW	S	NNW	SSE	SSE
3	SSE	(VA)	S	N	W	W	W	(VA)	NE	ENE	SW	WSW	NW	WNW	W	W	WSW	WNW	SW	SW	ENE	NNW	SSE	SSW	W
4	NE	ENE	NE	SE	ESE	ESE	SW	NW	WNW	W	(VA)	WNW	NW	WNW	W	W	WSW	WNW	SSW	SSE	(VA)	SSW	S	SE	WNW
5	ESE	ESE	SE	SE	E	SSE	E	ENE	SSW	NNW	NNE	NW	WNW	W	W	W	WSW	WNW	W	SSW	(VA)	SSE	(VA)	S	W
6	WSW	WSW	ESE	SSE	SE	(VA)	SSE	SE	SE	(VA)	NW	W	WNW	W	W	W	WSW	WNW	W	NW	NW	N	SSE	SE	W
7	SSE	ENE	N	W	W	W	W	WNW	W	SW	W	W	WNW	WSW	W	(VA)	ENE	NE	W	N	N	NNW	SW	NNE	W
8	NNE	NE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	NW	W	WNW	W	W	W	WSW	WNW	N	SE	SSE	SSE	SSE	SSE	SSE
9	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SW	W	W	W	W	W	WSW	WNW	W	NW	SE	SSE	S	SE	SE
10	SE	SE	ESE	ENE	SE	SSE	ENE	NE	NW	NE	SW	WNW	NW	W	W	W	WSW	WNW	W	WNW	WSW	(VA)	SSE	SE	(VA)
11	SE	SSE	SSE	SE	SE	SE	SE	E	SE	NE	NW	WNW	W	W	W	W	WSW	WNW	W	W	WSW	S	SSE	SSE	SSE
12	SSE	SE	SE	E	SE	SE	E	ESE	S	NW	WNW	W	W	W	W	W	WSW	WNW	W	W	WSW	S	S	S	W
13	ENE	SSE	S	SE	SSE	SSE	E	SSE	(VA)	WSW	W	WNW	NNW	NW	W	W	WSW	WNW	W	W	W	WSW	WSW	(VA)	W
14	N	W	WSW	(VA)	NNE	N	E	SE	(VA)	WSW	W	WNW	WNW	W	W	W	WSW	WNW	W	SE	NE	NE	NNE	ESE	W
15	SSE	S	S	ESE	SE	SW	(VA)	NE	W	WSW	W	W	W	W	W	W	WSW	WNW	W	SW	SW	NW	N	(VA)	W
16	SE	S	NE	ESE	SE	SSE	SSE	S	WNW	N	SE	NW	NNW	W	W	W	WSW	WNW	W	SW	NW	NW	N	(VA)	W
17	WNW	WNW	W	SSW	W	W	WSW	WNW	SSE	W	W	W	NW	WSW	NE	NW	W	W	N	E	ESE	SW	(VA)	NE	W
18	SSE	NW	S	SW	ESE	SW	NW	NNE	NE	ESE	S	WSW	W	W	W	W	WSW	SSE	SSE	WSW	SSW	SSE	SSE	SSE	W
19	W	S	W	SSE	SSE	SE	E	SE	ESE	SE	NW	SSW	SW	SSW	S	S	SSW	ESE	ESE	ENE	ENE	SW	N	NNW	S
20	NE	SE	SSE	SSE	SSE	S	S	S	SW	SSE	SSW	SSE	S	S	SSW	SW	WNW	NW	ESE	S	SSE	S	S	SSE	S
21	SSW	WSW	SSW	WNW	E	(VA)	SE	E	E	NNW	SSW	S	ESE	S	S	SSW	WNW	NW	W	W	NNW	W	R	(VA)	SSW
22	S	(VA)	ESE	WSW	W	S	SSE	S	SSW	WSW	W	W	W	W	W	W	WSW	WNW	W	NE	SE	SSE	S	SW	SSW
23	SE	SE	S	S	SSE	S	ESE	SSE	SSE	W	NNW	W	W	W	W	W	WSW	WNW	W	ENE	ENE	SE	SSE	S	W
24	S	SE	SE	S	SSE	SE	SE	SSE	ESE	WSW	NW	NW	W	W	W	W	WSW	WNW	W	N	ESP	SSE	SSE	SSE	SSE
25	SSE	SSE	SE	SE	SSE	SE	SSE	SSE	SE	W	W	W	W	W	W	W	WSW	WNW	W	S	SE	SSE	S	SSE	SSE
26	SSE	SSE	SSE	SE	ESE	SE	SE	ESE	SE	W	W	W	W	W	W	W	WSW	WNW	W	W	WSW	SSW	SSE	SSE	SSE
27	SSE	SSE	SSE	ESE	SE	SE	SSE	SSE	ENE	NNW	NW	WNW	WNW	W	W	W	WSW	WNW	W	W	SE	SE	SE	SE	SSE
28	SSE	SSE	SE	SE	SE	SE	S	S	SE	WNW	W	W	W	W	W	W	WSW	WNW	W	W	W	W	W	W	SSE
29	WNW	W	E	SSE	SSE	SSE	S	S	S	SSW	W	WNW	WNW	E	NNW	NNW	N	N	NNE	ENE	E	E	ENE	E	E
PV	SSE	SSE	SSE	SE	SSE	SE	SSE	SSE	SE	W	W	WNW	WNW	W	W	W	W	W	W	WSW	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAR. 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC116)
 DEGREES
 LEVEL HEIGHT 1 20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	75	75	85	90	90	95	95	85	35	300	285	335	330	290	270	270	325	320	35	115	145	165	155	150	5
2	130	140	115	145	150	145	155	345	(VA)	295	295	325	335	295	265	295	310	325	(VA)	130	125	145	150	155	7
3	150	160	120	170	(VA)	60	150	200	80	45	125	220	195	180	190	195	220	160	75	110	155	90	185	200	(VA)
4	205	220	170	185	175	165	160	135	75	145	140	260	270	285	290	275	290	285	260	260	215	195	180	165	13
5	165	160	155	145	145	195	195	300	305	265	220	185	190	190	190	190	190	190	190	190	185	190	190	180	9
6	175	195	225	260	240	160	160	165	120	10	45	315	265	255	275	(VA)	125	225	25	60	65	(VA)	5	155	A
7	180	220	200	340	45	150	260	55	75	130	210	235	255	260	295	270	260	200	250	0	10	10	175	165	(VA)
8	180	140	255	195	165	170	160	165	170	280	265	270	265	270	240	270	250	235	230	250	160	205	180	12	
9	140	160	180	165	165	165	165	150	175	280	295	270	285	265	240	235	255	250	240	200	165	160	165	165	0
10	175	175	165	155	130	140	115	105	30	(VA)	275	295	300	285	255	280	290	270	185	165	180	165	155	145	A
11	155	145	140	150	155	135	140	150	95	(VA)	5	325	275	280	270	170	135	170	170	170	185	185	170	160	13
12	150	255	260	260	275	285	275	280	270	270	275	275	275	280	270	275	290	300	345	25	95	95	165	160	13
13	145	150	180	170	150	150	130	145	60	355	325	280	265	295	285	200	275	265	100	170	100	135	105	170	(VA)
14	105	135	160	135	130	145	145	130	70	75	345	285	280	255	185	180	190	210	170	170	175	170	185	110	(VA)
15	70	175	195	125	(VA)	15	35	330	270	50	330	245	275	250	235	205	220	210	240	280	185	330	275	280	13
16	290	300	290	305	340	305	25	70	20	335	325	335	340	340	350	355	335	5	10	25	0	(VA)	145	170	16
17	180	165	160	160	140	140	140	105	5	355	5	310	260	180	185	195	255	185	185	175	170	175	170	190	A
18	155	145	145	145	90	105	120	170	(VA)	290	295	300	290	265	275	310	305	320	20	140	170	150	145	160	7
19	150	145	160	145	120	145	145	105	105	(VA)	275	275	270	270	280	270	280	285	285	315	0	40	80	150	7
20	150	155	175	170	155	155	145	120	100	290	310	295	350	310	295	305	(VA)	175	160	165	165	165	150	145	8
21	70	60	65	140	125	110	115	130	130	185	190	185	180	180	200	215	280	305	310	25	50	155	165	155	(VA)
22	140	155	45	105	260	280	(VA)	260	265	270	345	80	85	60	75	85	75	70	70	55	5	40	200	60	4
23	105	135	170	220	45	170	100	110	(VA)	70	55	40	260	275	310	315	255	285	15	135	230	275	265	160	13
24	130	160	130	55	50	125	50	85	140	215	240	165	175	165	165	170	150	160	160	245	290	280	280	165	8
25	145	145	145	120	115	115	115	115	115	120	125	305	280	285	260	290	260	340	10	150	275	265	245	165	6
26	165	195	260	165	165	150	160	170	285	320	280	(VA)	140	210	300	265	175	195	135	145	145	165	160	160	8
27	155	145	140	140	150	155	145	105	95	320	300	290	240	275	250	280	280	280	285	255	230	240	250	230	13
28	(VA)	60	305	280	295	270	240	290	275	265	0	5	10	15	10	15	20	30	35	30	35	65	10	150	2
29	(VA)	160	5	185	155	155	170	175	245	180	(VA)	310	0	295	(VA)	100	(VA)	100	100	150	155	155	150	165	A
30	170	160	95	75	95	70	55	340	70	50	70	205	225	270	275	280	280	135	140	140	135	185	165	165	7
31	145	160	170	175	160	155	145	145	130	245	225	195	215	255	215	205	245	40	95	140	125	145	165	150	A
PV	8	6	9	(VA)	7	8	7	6	5	14	14	(VA)	13	13	13	13	13	14	9	(VA)	9	8	8	8	8

ABOUT (21 JAN 81)

WIND DIRECTION (CC116)

LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

MAR. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	ENE	E	E	E	E	E	E	NE	WNW	WNW	WNW	WNW	W	W	W	NW	NW	NE	ESE	SE	SSE	SSE	SSE	E
2	SE	SSE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	W	W	NW	NW	(VA)	SE	SE	SE	SE	SE	SE
3	SSE	SSE	ESE	(VA)	ENE	SSE	SSE	SSE	ENE	SE	SE	SE	SE	S	S	S	SW	SW	ENE	ESE	SE	SE	SE	SE	(VA)
4	SSW	SSW	S	S	S	S	SSE	SSE	ENE	SE	SE	SE	SE	W	W	W	WNW	WNW	W	W	SSW	S	SSE	W	W
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	W	W	W	W	S	S	S	SSW	SSW	W	W	SSW	S	SSE	W	W
6	S	S	S	S	S	S	SSE	SSE	ENE	N	NE	NE	NE	W	W	W	SE	SE	ENE	ENE	ENE	N	SSE	S	S
7	S	S	S	S	S	S	SSE	SSE	ENE	SE	SSW	SSW	SSW	W	W	W	SSW	SSW	N	N	N	S	SSE	S	(VA)
8	S	S	S	S	S	S	SSE	SSE	ENE	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	S	SSE	S	SSW
9	SE	SSE	S	S	S	S	SSE	SSE	ENE	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
10	S	S	S	S	S	S	SSE	SSE	ENE	(VA)	W	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
11	SSE	SSE	SE	SE	SE	SE	SSE	SSE	ENE	(VA)	N	NW	NW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
12	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
13	SE	SSE	S	S	S	S	SSE	SSE	ENE	N	NW	NW	NW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
14	ESE	SE	SE	SE	SE	SE	SE	SE	ENE	ENE	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
15	ENE	S	S	S	S	S	SSE	SSE	ENE	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
16	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ENE	WNW	WNW	WNW	WNW	N	N	N	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
17	S	SSE	SSE	SE	SE	SE	SE	SE	(VA)	WNW	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
18	SSE	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
19	SSE	SE	SE	SE	SE	SE	SE	SE	ESE	(VA)	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
20	SSE	SSE	S	S	S	S	SSE	SSE	ENE	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
21	ENE	ENE	ENE	SE	SE	SE	SE	SE	ENE	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
22	SE	SSE	NE	ESE	W	W	W	W	(VA)	W	WNW	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
23	ESE	SE	S	S	S	S	SSE	SSE	(VA)	ENE	NE	NE	NE	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
24	SE	SSE	SE	SE	SE	SE	SE	SE	ENE	SE	SSW	SSW	SSW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
25	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ENE	ENE	ENE	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
26	SSE	S	S	S	S	S	SSE	SSE	ENE	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
27	SSE	SE	SE	SE	SE	SE	SE	SE	ENE	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
28	(VA)	ENE	W	W	W	W	W	W	ENE	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
29	(VA)	ENE	N	S	SSE	SSE	S	S	SSW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
30	S	SSE	E	ENE	NE	ENE	NE	WNW	ENE	NE	ENE	SSW	SSW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
31	SE	SSE	S	S	SSE	SSE	SE	SE	SSW	SSW	SSW	SSW	SSW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW
PV	SSE	SSE	S	(VA)	SE	SSE	SE	ESE	E	WNW	WNW	(VA)	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSW

WIND DIRECTION (CC1161)
 DEGREES
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 APR, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	150	145	105	165	60	55	40	50	10	(VA)	25	60	275	300	355	40	340	35	60	70	75	75	55	3
2	60	320	340	0	325	265	275	255	250	280	295	290	290	320	305	330	345	350	350	350	50	165	160	160	15
3	160	150	165	150	155	140	160	140	105	95	50	(VA)	325	245	145	165	160	205	295	50	145	155	130	135	8
4	50	(VA)	95	40	115	175	160	135	305	315	305	270	170	160	160	170	155	160	160	165	160	165	150	145	6
5	140	145	140	145	135	150	(VA)	145	110	70	195	260	230	220	225	230	240	235	260	290	200	105	145	175	4
6	275	240	240	235	200	180	175	250	250	275	275	275	275	275	280	275	270	275	280	305	130	165	145	230	12
7	255	285	350	(VA)	250	275	280	275	270	280	280	285	285	305	300	290	285	290	280	265	290	10	200	165	13
8	155	140	135	135	145	140	115	65	340	290	350	295	300	270	225	230	240	190	35	90	160	185	110	140	7
9	170	180	200	(VA)	235	160	260	285	280	280	295	280	300	290	225	230	240	240	215	145	175	105	295	240	7
10	65	150	165	(VA)	325	155	90	(VA)	290	100	50	30	10	20	30	30	30	30	10	20	50	40	30	45	2
11	25	10	135	160	165	150	150	85	(VA)	355	85	105	40	10	40	25	35	35	25	30	35	30	25	20	2
12	55	95	160	150	155	160	150	195	275	325	355	345	250	265	290	270	275	70	75	115	160	150	155	150	6
13	140	140	120	145	140	125	110	110	55	325	310	5	345	240	290	255	225	80	50	95	165	155	155	160	7
14	150	150	140	120	150	135	135	105	140	295	260	265	270	265	280	240	260	295	265	275	270	265	300	170	13
15	145	160	160	150	135	135	150	130	305	235	325	320	340	345	355	320	350	350	40	95	150	155	150	150	8
16	150	155	150	155	150	140	150	(VA)	45	325	280	310	310	315	(VA)	295	260	290	345	90	160	160	155	145	8
17	135	145	145	155	145	135	145	100	305	330	290	280	295	270	300	265	235	210	215	165	145	155	145	145	6
18	140	145	165	140	140	170	140	100	35	345	295	305	295	265	275	285	200	250	235	185	165	145	140	150	7
19	130	120	150	155	150	150	150	80	300	305	15	330	270	230	225	240	195	225	205	165	165	165	165	160	8
20	160	160	160	175	170	165	160	160	170	170	145	145	150	295	195	40	40	85	(VA)	210	(VA)	65	110	(VA)	8
21	145	170	115	100	205	135	160	180	330	280	300	315	0	60	40	35	60	60	85	60	70	65	70	110	8
22	135	140	160	160	160	180	170	290	290	300	300	285	265	230	260	295	300	320	40	105	155	155	165	150	10
23	160	150	155	165	145	165	170	245	275	275	350	25	0	350	0	20	10	350	15	15	50	45	65	110	10
24	75	60	65	(VA)	70	165	260	285	45	85	(VA)	55	35	15	35	5	15	20	30	40	60	50	45	60	3
25	60	140	140	155	160	165	200	260	(VA)	45	40	35	85	140	65	(VA)	110	75	65	70	180	155	160	165	8
26	170	165	160	150	160	150	125	345	300	330	(VA)	(VA)	65	(VA)	305	305	295	250	325	40	160	165	80	170	8
27	150	155	140	130	135	100	100	75	50	65	250	300	290	(VA)	160	160	220	225	215	145	150	160	190	140	8
28	160	150	160	170	115	(VA)	60	290	280	305	325	195	155	160	185	180	190	240	275	335	35	95	115	140	8
29	(VA)	260	335	45	15	(VA)	125	165	315	(VA)	355	0	130	245	325	285	305	285	105	160	160	160	165	155	8
30	6	6	7	8	7	8	6	7	15	15	14	13	14	13	14	13	13	12	3	5	6	6	7	6	8

ABOUT (21 JAN 81)

WIND DIRECTION [CC:16]

LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #159
BONANZA, UTAH
SITE 6

APR. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	ESE	SSE	ENE	NE	NE	NE	N	(VA)	MNE	ENE	W	MNW	N	NE	NNW	NE	ENE	FNE	ENE	ENE	NE	NE
2	ENE	NW	MNW	N	NW	W	MSW	MSW	MSW	W	W	MNW	MNW	NW	NW	N	NE	NNW	N	NE	NE	SSE	SSE	NE	NW
3	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	ESE	E	NE	(VA)	MNW	MSW	SE	SSE	SSE	SSW	NW	NE	SE	SE	SE	SE	NW
4	NE	(VA)	E	NE	ESE	S	SSE	SE	NW	NW	W	W	W	W	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	SE	SE	SE	SE	SE	SSE	(VA)	SE	ESE	ENE	SSW	W	SW	SW	SW	SW	MSW	SW	W	MNW	SSW	SSE	SSE	SSE	SSE
6	W	MSW	MSW	SW	SSW	S	MSW	MSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	MSW	MNW	N	(VA)	MSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SSE	SE	SE	SE	SE	SE	ESE	ESE	SE	NW	W	W	W	W	W	W	W	W	W	E	SSE	SSE	SSE	SSE	W
9	SSE	SE	SE	SE	SE	SE	ESE	ENE	MNW	MNW	W	MNW	MNW	W	SW	SW	MSW	MSW	SW	SSE	S	ESE	MNW	MSW	SE
10	S	S	SSW	(VA)	SW	SSE	W	MNW	W	W	W	W	W	W	W	W	W	W	W	W	SSE	E	ENE	MNW	SE
11	ENE	SSE	SSE	(VA)	NW	SSE	E	(VA)	MNW	E	NE	MNE	N	MNE	MNE	NNE	NNE	NNE	N	NNE	NE	E	ENE	ENE	MNW
12	MNE	N	SE	SSE	SSE	SSE	SSE	E	(VA)	N	E	ESE	NE	N	NE	NNE	NNE	NNE	N	NNE	NE	NE	NNE	NNE	NNE
13	NE	E	SSE	SSE	SSE	SSE	SSE	SSE	W	NW	N	NW	MSW	W	NW	W	W	W	W	ENE	ENE	SSE	SSE	SSE	SSE
14	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	NW	N	NW	MSW	W	MSW	W	W	W	W	E	E	SSE	SSE	SSE	SE
15	SSE	SSE	SE	ESE	SE	SE	ESE	SE	SE	MSW	W	MNW	W	W	W	W	W	W	W	E	SSE	SSE	SSE	SSE	W
16	SE	SSE	SSE	SSE	SE	SE	SE	SE	NW	SW	NW	NW	NW	N	NW	N	N	N	N	E	SSE	SSE	SSE	SSE	SSE
17	SSE	SSE	SSE	SSE	SE	SE	(VA)	NE	NW	NW	W	W	W	(VA)	MNW	W	W	W	W	E	SSE	SSE	SSE	SSE	SSE
18	SE	SE	SE	SE	SE	SE	E	NE	NW	MNW	W	W	W	W	W	W	W	W	W	S	SSE	SSE	SSE	SSE	SE
19	SE	SE	SSE	SE	SE	SE	E	NE	NW	MNW	W	W	W	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SE
20	SE	ESE	SSE	SSE	SSE	SSE	E	MNW	NW	MNE	MNW	W	W	W	W	W	W	W	W	E	SSE	SSE	SSE	SSE	W
21	SSE	SSE	SSE	S	S	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SW	SW	SW	SW	SW	SW	(VA)	SSW	(VA)	ENE	ESE	SSE
22	SE	SE	ESE	E	SSW	SE	W	MNW	MNW	W	W	W	W	W	W	W	W	W	W	ENE	ENE	ENE	ENE	ENE	W
23	SE	SE	SSE	SSE	SSE	SSE	W	MNW	MNW	W	W	W	W	W	W	W	W	W	W	ENE	ENE	ENE	ENE	ENE	W
24	SSE	SSE	SSE	SSE	SSE	SSE	W	MSW	W	W	N	NNE	N	N	NNE	N	N	N	N	ENE	ENE	ENE	ENE	ENE	N
25	ENE	ENE	ENE	(VA)	ENE	SSE	W	MNW	NE	E	(VA)	NE	NE	NE	NNE	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	N
26	ENE	SE	SE	SSE	SSE	SSE	W	(VA)	NE	NE	NE	E	SE	ENE	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE
27	S	SSE	SSE	SSE	SSE	SSE	SE	MNW	MNW	MNW	(VA)	(VA)	ENE	(VA)	MNW	MNW	MNW	MNW	MNW	ENE	ENE	ENE	ENE	ENE	SSE
28	SSE	SSE	SE	SE	SE	E	E	ENE	NE	ENE	MSW	MNW	MNW	(VA)	SSE	S	SW	SW	SW	ENE	ENE	ENE	ENE	ENE	SSE
29	SSE	SSE	SSE	S	S	ESE	(VA)	ENE	MNW	W	NW	NW	SSW	SSE	S	S	MSW	W	MNW	NE	ENE	ENE	ENE	ENE	SSE
30	(VA)	W	MNW	NE	MNE	(VA)	SE	SSE	NW	(VA)	N	N	SE	MSW	NW	MNW	NW	MNW	ESE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SE	SSE	SE	SSE	SE	SE	NW	NW	W	MNW	W	W	W	W	W	W	W	E	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

MAY, 1980

AEROENVIRONMENT INC.

WIND DIRECTION (CC#16)

DEGREES

LEVEL HEIGHT : 20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	160	165	160	145	145	75	40	65	70	65	75	55	85	60	(VA)	255	280	190	230	355	125	150	155	175	A
2	145	150	175	65	125	70	90	30	340	275	(VA)	145	175	160	175	210	275	155	140	125	160	155	145	145	A
3	155	150	130	120	160	160	145	145	80	290	300	310	245	280	300	10	(VA)	105	160	150	165	165	125	85	7
4	260	150	180	175	145	155	160	140	(VA)	330	305	245	270	320	320	350	335	35	95	145	150	335	95	150	6
5	160	15	350	155	160	160	155	130	355	355	50	155	265	280	295	50	65	100	170	160	160	165	170	165	A
6	160	155	165	155	145	140	130	130	180	185	310	295	295	230	190	150	165	160	165	160	170	160	175	155	A
7	160	150	140	140	90	105	155	50	55	300	275	170	170	155	90	145	85	(VA)	235	310	40	75	125	155	8
8	145	135	160	125	130	110	100	145	135	180	300	(VA)	55	140	230	260	235	190	190	165	160	160	160	160	7
9	250	215	130	125	190	155	65	65	160	215	200	175	165	160	190	235	325	30	15	25	15	330	(VA)	105	A
10	160	140	150	125	210	240	80	330	275	200	240	260	180	175	140	145	185	195	275	280	265	155	140	150	9
11	45	145	270	275	270	280	265	205	(VA)	335	300	235	200	185	185	190	190	245	0	95	100	170	265	85	13
12	165	170	155	325	235	270	170	165	190	215	165	190	210	210	250	220	10	30	(VA)	80	160	95	70	85	9
13	105	40	145	150	155	145	160	160	300	330	320	340	315	245	245	(VA)	155	150	165	160	155	160	155	150	A
14	155	165	155	150	140	135	145	90	310	285	270	290	260	(VA)	65	55	55	75	100	145	170	210	230	165	A
15	155	170	165	160	140	140	140	225	290	295	260	280	(VA)	300	75	185	265	255	150	165	215	185	110	75	A
16	155	180	160	160	165	155	135	120	(VA)	260	240	300	260	140	85	20	300	310	285	270	215	155	225	185	A
17	170	175	215	240	255	255	260	290	275	260	265	260	345	295	165	80	75	70	70	65	60	130	145	160	13
18	150	140	145	145	145	145	135	90	330	310	315	335	295	285	225	305	(VA)	130	280	0	125	165	155	150	7
19	155	160	150	150	140	130	110	30	300	295	280	285	280	270	330	340	35	40	75	100	100	160	160	155	A
20	140	160	160	145	145	145	140	90	320	295	335	15	355	110	75	285	320	335	20	50	110	145	160	160	7
21	145	145	155	135	150	145	125	100	(VA)	300	290	295	245	240	355	305	25	80	15	85	155	160	155	155	A
22	145	135	100	135	150	160	145	(VA)	295	(VA)	0	350	335	185	170	140	165	195	195	220	175	145	155	200	(VA)
23	195	(VA)	200	185	175	185	170	185	185	175	170	175	190	170	170	180	185	160	160	130	150	175	175	185	9
24	175	175	170	165	175	175	180	175	185	190	190	180	200	245	250	230	220	170	135	205	210	185	205	200	10
25	210	205	195	195	(VA)	160	180	205	225	255	235	215	225	225	190	280	325	35	70	110	150	145	115	140	10
26	140	150	145	140	140	90	65	30	345	330	315	260	205	200	235	230	185	200	265	5	70	150	155	145	7
27	155	145	145	135	90	110	20	20	265	185	200	205	190	200	170	195	215	195	190	190	180	155	155	145	9
28	135	180	125	145	155	150	130	95	190	185	170	170	180	195	205	200	190	190	205	230	175	155	255	265	9
29	270	280	295	(VA)	135	225	270	280	60	275	270	280	270	280	275	255	270	275	315	290	45	75	175	13	13
30	70	170	140	150	165	160	135	290	340	0	330	340	245	255	260	140	190	190	190	200	175	145	155	160	A
31	135	160	155	155	150	165	245	290	285	245	240	280	295	245	290	245	280	265	200	295	265	140	280	(VA)	13
PV	6	6	6	6	6	7	7	(VA)	16	14	14	13	13	13	9	9	9	9	6	6	6	6	6	6	6

WIND DIRECTION (CC116)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

FINAL DATA

LEVEL HEIGHT : 20 METERS

MAY, 1960

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SE	SE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	WSW	WSW	W	S	SW	N	SE	SSE	SSE	S	SSE
2	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	N	N	WSW	W	SW	SE	SE	SSE	SSE	SE	SSE
3	SSE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	(VA)	(VA)	(VA)	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
4	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	N	N	N	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
6	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
24	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
25	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
26	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
29	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
31	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUN. 1960
 AEROVIRONMENT INC.

WIND DIRECTION (CC1161)
 DEGREES
 LEVEL HEIGHT : 20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	160	155	150	145	145	105	65	0	300	300	265	140	165	205	290	50	65	195	160	150	160	160	160	A
2	145	135	115	60	125	135	50	50	220	185	205	200	185	185	185	190	195	185	180	185	175	165	160	160	9
3	160	165	165	150	160	160	160	165	170	170	175	175	195	195	210	195	195	200	225	205	205	205	160	175	10
4	170	165	165	165	160	160	(VA)	(VA)	195	190	175	190	190	190	210	215	230	215	205	195	255	265	210	240	9
5	240	180	155	160	155	150	140	110	15	305	195	190	190	205	220	210	205	200	195	190	225	230	260	230	9
6	210	160	160	160	155	175	195	220	235	225	230	240	235	240	230	235	235	290	300	300	310	300	30	95	11
7	145	155	160	165	165	195	245	270	325	15	350	350	275	310	290	335	340	325	350	15	95	160	145	150	A
8	150	160	155	155	155	155	140	100	355	280	330	295	300	315	325	300	310	335	355	20	95	140	155	170	A
9	160	160	170	160	150	145	120	100	320	275	285	270	295	310	325	55	330	5	25	110	145	165	165	165	A
10	155	185	150	155	155	145	110	100	30	295	310	345	220	190	180	170	185	195	205	190	195	150	165	(VA)	9
11	170	215	(VA)	90	155	150	130	50	20	240	180	175	160	190	185	210	240	220	200	185	170	175	140	190	9
12	170	220	70	130	160	145	160	195	210	220	205	220	195	200	195	195	200	190	185	200	190	220	260	165	10
13	120	150	135	145	140	140	75	345	345	280	190	180	190	195	185	200	210	190	205	200	205	170	200	225	9
14	270	205	175	115	120	130	95	355	290	280	230	235	230	220	230	240	230	220	265	300	285	275	260	13	
15	260	50	85	110	130	160	160	110	195	300	300	285	305	285	290	305	305	285	305	305	285	320	65	110	14
16	160	190	225	160	160	170	205	290	295	330	270	275	290	290	275	290	275	350	330	20	160	155	150	155	(VA)
17	140	145	155	145	140	155	115	105	295	280	310	265	250	315	295	330	330	325	270	275	255	305	320	155	7
18	145	135	135	150	150	150	125	100	290	300	295	290	305	(VA)	330	240	225	270	275	195	160	155	145	155	(VA)
19	165	145	140	155	160	160	160	140	335	345	(VA)	290	270	170	165	195	255	250	280	310	195	160	160	160	A
20	155	155	150	145	155	160	135	315	350	310	300	290	290	170	210	195	180	170	165	180	180	155	165	190	A
21	255	180	160	165	150	155	145	100	5	345	330	275	200	220	220	265	270	265	255	205	150	145	195	175	8
22	165	155	120	170	155	150	130	335	10	310	280	290	270	(VA)	185	215	225	210	220	200	195	210	225	150	(VA)
23	185	250	230	260	260	225	190	160	175	185	185	205	205	210	210	205	210	205	195	200	250	255	45	160	10
24	150	160	155	150	140	145	145	5	300	270	270	210	190	190	180	180	220	245	225	210	195	160	200	55	A
25	310	310	140	75	150	150	105	45	(VA)	330	225	170	170	195	205	200	200	195	195	195	210	165	170	170	9
26	180	155	150	150	145	150	125	40	280	195	190	190	205	220	215	215	225	220	200	205	290	240	200	270	10
27	275	275	260	255	260	275	275	290	320	295	285	290	300	295	295	300	300	300	295	290	285	325	140	155	14
28	185	180	145	145	145	145	(VA)	270	175	285	300	280	270	285	275	335	310	345	60	145	105	130	155	7	
29	145	150	150	140	145	145	100	65	5	325	285	285	295	285	270	290	275	285	290	25	180	210	165	160	14
30	155	190	45	65	140	140	140	285	(VA)	260	240	270	275	340	315	300	310	290	315	355	300	(VA)	210	135	14
PV	6	6	6	7	7	8	7	5	(VA)	15	14	14	(VA)	10	10	10	10	10	10	9	10	6	6	8	9

WIND DIRECTION (CCITT)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 120 METERS

JUN, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	N	MNW	MNW	W	SE	S	SSW	MNW	NE	ENE	SSW	SSE	SSE	SSE	SSE	SSE	SSE
2	SE	ESE	ENE	ENE	SE	SE	ENE	NE	SW	S	SSW	SSW	S	S	S	S	SSW	S	S	S	S	S	S	S	S
3	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	(VA)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	NNE	NW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	MNW	SSE	SSE	SSE	SSE	S	SSW	SW	SW	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SSW	SSE	SSE	SSE	SSE	SSE	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	SE	SSE	SSE	SSE	SSE	SSE	W	W	NNE	N	N	N	W	N	N	N	N	N	N	N	N	N	N	N	N
8	SSE	SSE	SSE	SSE	SSE	SSE	E	E	N	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
9	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	E	NNE	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
11	S	S	S	S	S	S	ENE	ENE	NNE	MNW	MNW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	S	S	S	S	S	S	ENE	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	ESE	SSE	SSE	SSE	SSE	SSE	ENE	ENE	NNE	NNE	W	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14	W	NE	E	ESE	ESE	ESE	E	E	N	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	W	NE	E	ESE	ESE	ESE	E	E	N	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	SSW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
17	SE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	SSW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
18	SE	SE	SE	SE	SE	SE	ESE	ESE	SSW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
19	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	SSW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW
20	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
21	MNW	S	SSE	SSE	SSE	SSE	SE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
22	SSE	SSE	ESE	S	SSE	SSE	SE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
23	S	MNW	SW	W	W	W	SE	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
25	MW	MW	SE	ENE	SSE	SSE	ESE	ENE	(VA)	MNW	MNW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
26	S	SSE	SSE	SSE	SSE	SSE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SE	SSE	SSE	SE	SE	SE	E	ENE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
30	SSE	S	NE	ENE	SE	SE	MNW	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	SSE	SSE	SSE	SE	SE	SE	E	(VA)	MW	MNW	MNW	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION (CC:16)
 DEGREES
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUL, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	60	45	115	65	270	15	235	265	290	265	160	300	295	280	290	180	150	160	175	185	190	140	190	13	
2	130	95	10	350	150	210	250	145	245	155	85	330	140	160	345	350	355	140	160	165	160	150	145	8	
3	145	135	130	180	120	110	90	320	300	285	305	280	235	285	270	195	205	250	220	175	345	85	130	(VA)	
4	115	125	70	70	75	70	80	60	40	235	300	245	290	295	340	290	295	215	235	145	150	140	140	4	
5	125	120	95	110	140	155	130	55	330	290	300	305	300	255	245	250	255	255	215	155	160	105	240	12	
6	140	150	145	145	145	110	70	25	350	305	(VA)	315	315	265	255	230	205	195	185	165	155	170	150	8	
7	160	160	155	145	145	135	100	45	280	110	300	230	170	180	165	160	185	150	155	150	150	150	170	8	
8	170	175	165	240	260	170	150	290	220	240	260	290	270	175	205	240	260	295	270	175	160	155	140	(VA)	
9	145	160	160	150	145	145	140	335	290	305	310	310	(VA)	0	320	50	35	355	45	150	165	135	215	3	
10	170	175	165	155	145	155	140	90	355	275	305	275	265	220	215	225	270	195	165	175	150	120	150	4	
11	130	155	160	160	145	150	140	135	310	300	315	305	295	150	150	160	165	145	(VA)	140	145	160	160	4	
12	160	160	140	150	160	(VA)	140	185	165	220	270	305	165	180	175	180	275	305	340	185	175	155	180	300	8
13	40	355	170	165	100	165	155	135	190	185	200	315	270	250	245	245	240	235	205	180	120	250	235	11	
14	90	70	55	120	135	155	150	(VA)	245	280	290	225	220	210	245	245	240	235	205	305	295	245	(VA)	175	14
15	180	160	150	160	170	150	120	(VA)	290	290	290	285	300	300	280	275	285	290	295	305	295	245	(VA)	175	14
16	175	150	150	155	150	150	130	100	295	290	300	325	275	280	265	310	310	295	95	145	160	155	170	4	
17	160	155	145	150	150	145	125	120	315	310	320	295	290	255	240	270	285	300	310	310	120	160	170	15	
18	150	210	135	120	90	140	185	270	315	(VA)	295	285	295	295	290	260	230	225	195	195	160	50	20	14	
19	190	275	(VA)	155	130	165	120	(VA)	315	300	300	295	265	240	255	260	300	315	305	320	305	290	270	105	14
20	155	150	165	160	165	175	270	300	285	295	290	265	270	270	305	320	315	305	5	20	75	160	155	155	4
21	155	155	165	155	150	160	145	290	300	0	290	235	260	290	305	310	300	315	345	140	160	155	165	4	
22	160	170	145	145	125	135	125	70	0	305	295	285	305	320	325	325	325	285	295	190	150	150	135	15	
23	165	145	185	140	130	160	145	40	(VA)	290	260	325	325	270	185	225	220	225	210	165	160	165	170	185	8
24	155	145	150	135	140	140	125	60	45	55	290	285	275	315	325	330	315	340	65	85	80	100	125	145	7
25	155	160	160	155	150	155	95	175	0	300	300	285	275	280	280	290	250	155	160	165	160	170	170	155	4
26	140	115	145	165	175	160	155	240	325	290	320	260	280	255	270	305	350	45	70	160	155	180	150	160	4
27	165	160	165	160	150	135	120	100	320	140	120	150	0	(VA)	240	0	330	330	0	30	120	155	150	150	8
28	160	150	140	135	150	50	120	0	285	285	300	(VA)	275	265	285	285	310	295	310	155	155	150	130	14	
29	125	145	150	165	155	120	95	60	330	300	270	265	160	340	65	295	270	280	(VA)	75	270	165	145	(VA)	14
30	210	120	135	160	150	140	110	85	40	300	290	280	285	190	310	320	325	310	295	210	90	165	160	160	14
31	165	160	175	160	145	150	145	80	35	10	40	40	90	310	105	(VA)	290	305	300	300	280	220	165	170	8
PV	8	8	8	7	8	4	7	4	14	14	14	14	14	13	14	15	14	15	14	6	4	8	4	8	8

WIND DIRECTION (CC11A)

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

LEVEL HEIGHT 120 METERS

JUL, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	NE	ESE	E	W	NNE	WSW	W	W	WNW	WNW	W	S	WNW	WNW	W	WNW	S	SSE	SSE	S	S	S	SE	W
2	SE	E	SE	N	SSE	SSW	WSW	SE	WSW	SSE	WNW	E	W	WNW	WNW	W	WNW	N	SE	SSE	SSE	S	S	SE	SSE
3	SE	SE	ESE	ESE	S	ESE	ESE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	WNW	WNW	S	W	E	SE
4	ESE	SE	ESE	ESE	ESE	ESE	E	ESE	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	WNW	WNW	S	W	E	ENE
5	SE	ESE	E	ESE	SE	SSE	SE	NE	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	WNW	WNW	S	W	E	WSW
6	SE	SSE	SE	SE	SE	SE	ESE	ESE	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	WNW	WNW	S	W	E	WSW
7	SSE	SSE	SSE	SE	SE	SE	E	NE	W	ESE	WNW	W	S	SSE	SSE	W	WNW	W	W	SSE	SSE	S	W	E	SSE
8	S	S	SSE	WSW	W	S	SSE	WSW	W	WNW	WNW	W	W	SSE	SSE	W	WNW	W	W	SSE	SSE	S	W	E	SSE
9	SE	SSE	SSE	SSE	SE	SE	SE	WNW	WNW	WNW	WNW	W	W	SSE	SSE	W	WNW	W	W	SSE	SSE	S	W	E	(VA)
10	S	S	SSE	SSE	SE	SSE	SE	E	W	WNW	WNW	W	W	SSE	SSE	W	WNW	W	W	SSE	SSE	S	W	E	SSE
11	SE	SSE	SSE	SSE	SE	SSE	SE	SE	W	WNW	WNW	W	W	SSE	SSE	W	WNW	W	W	SSE	SSE	S	W	E	SSE
12	SSE	SSE	SE	SSE	(VA)	(VA)	SE	S	SSE	SW	W	W	W	SSE	SSE	S	SSE	SE	SE	(VA)	SE	SSE	S	W	E
13	NE	N	S	SSE	E	SSE	SSE	S	S	SSE	WNW	W	W	WNW	WNW	W	WNW	W	W	SSE	SSE	S	W	E	SSE
14	E	ENE	NE	ESE	SE	SSE	(VA)	(VA)	WSW	W	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
15	S	SSE	SSE	SSE	S	SSE	ESE	(VA)	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
16	S	SSE	SSE	SSE	SSE	SSE	SE	E	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
17	SSE	SSE	SE	SSE	SE	SE	SE	ESE	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
18	SSE	SSW	SE	ESE	E	SE	S	W	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
19	S	W	(VA)	SSE	SE	SSE	ESE	(VA)	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
20	SSE	SSE	SSE	SSE	SSE	S	W	WNW	WNW	WNW	W	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
21	SSE	SSE	SSE	SSE	SSE	SSE	S	W	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
22	SSE	S	S	SE	SE	SE	SE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
23	SSE	SE	S	SE	SE	SE	SE	E	(VA)	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
24	SSE	SE	S	SE	SE	SE	SE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
25	SSE	SSE	SSE	SSE	SSE	SSE	E	S	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
26	SE	ESE	SE	SSE	S	SSE	SSE	WSW	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
27	SSE	SSE	SSE	SSE	SSE	SSE	ESE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
28	SSE	SSE	SE	SE	SE	SE	ESE	N	WNW	WNW	WNW	(VA)	(VA)	W	WNW	WNW	W	W	ESE	SE	SSE	S	W	E	
29	SE	SE	SSE	SSE	ESE	E	E	E	WNW	WNW	WNW	W	W	SSE	SSE	W	WNW	W	W	ESE	SE	SSE	S	W	E
30	SSW	ESE	SE	SSE	SE	SE	ESE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
31	SSE	SSE	S	SSE	SE	SSE	SE	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E
PV	SSE	SSE	SSE	SE	SSE	SSE	SE	ESE	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	W	W	ESE	SE	SSE	S	W	E

WIND DIRECTION (CCI16)
 DEGREES
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 AUG. 1980
 AEROSURVEILLANCE INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	170	165	165	155	150	140	120	95	240	35	285	280	290	300	275	210	225	180	195	80	90	165	180	145	A
2	145	140	120	135	155	160	150	140	225	270	285	250	270	250	255	265	255	270	310	310	290	290	245	210	175
3	165	165	165	135	145	160	165	305	340	270	275	280	275	300	290	300	300	300	310	310	300	280	255	240	18
4	165	105	150	145	145	130	135	105	0	290	275	275	290	290	275	265	270	285	295	290	265	210	170	165	13
5	160	150	135	140	150	155	150	235	315	270	290	280	290	305	295	240	250	255	230	225	175	155	170	310	A
6	35	0	210	155	155	155	155	75	355	300	300	310	235	235	225	230	235	235	240	220	175	160	165	265	11
7	155	160	160	190	150	145	150	95	355	310	315	285	310	305	(VA)	350	335	340	215	120	155	160	145	150	A
8	170	170	195	170	165	155	145	200	275	325	300	280	285	280	260	230	260	205	260	220	170	150	275	90	9
9	160	165	190	180	165	170	135	185	220	255	280	290	290	270	265	270	285	275	305	335	110	160	150	160	A
10	160	155	165	170	160	155	155	180	85	280	275	290	285	295	290	290	280	305	305	305	315	(VA)	155	160	14
11	170	165	165	165	160	160	160	170	290	280	295	300	305	335	270	290	280	305	305	25	145	165	155	160	8
12	145	145	155	145	90	150	125	75	65	205	260	290	295	280	(VA)	135	320	(VA)	125	130	155	160	155	150	7
13	(VA)	75	120	145	125	150	135	(VA)	(VA)	290	300	300	300	300	165	215	0	60	130	295	140	170	200	180	7
14	130	150	180	(VA)	145	160	155	150	(VA)	300	285	310	275	265	175	170	190	230	280	255	165	130	60	(VA)	A
15	320	170	(VA)	175	170	155	160	(VA)	110	(VA)	285	15	135	165	250	305	305	300	160	160	170	155	150	150	A
16	155	155	150	150	160	135	145	140	65	300	290	290	295	260	295	295	340	5	35	60	80	80	115	90	A
17	125	155	160	165	160	160	150	130	295	335	305	280	275	280	175	175	(VA)	335	265	230	190	160	165	170	8
18	165	170	165	150	145	125	135	75	45	275	225	205	185	190	215	195	200	200	190	185	180	165	160	160	9
19	170	190	170	170	165	160	170	195	210	230	230	220	250	295	300	310	295	290	265	240	265	305	305	300	12
20	125	165	160	165	165	165	165	170	240	285	265	300	270	290	280	255	(VA)	100	45	75	135	180	150	155	A
21	150	140	145	145	150	150	150	115	335	300	285	320	290	275	275	290	320	325	45	110	160	150	150	155	A
22	145	140	140	160	155	155	150	90	(VA)	55	5	170	230	220	190	200	215	215	210	205	170	155	175	180	8
23	160	135	350	140	160	315	350	40	200	225	270	255	165	155	155	275	60	185	150	145	140	155	150	170	A
24	190	40	35	75	155	100	155	140	145	260	270	275	290	285	215	180	180	195	210	0	190	155	165	170	9
25	5	145	155	160	130	120	140	105	100	100	(VA)	285	215	355	330	320	(VA)	160	205	170	150	160	160	135	7
26	155	170	170	160	165	160	140	130	90	95	(VA)	245	3	305	280	285	275	170	215	100	55	145	160	155	A
27	145	155	150	155	155	155	155	125	10	295	295	315	275	215	240	215	220	215	165	180	135	150	20	95	A
28	140	155	95	140	135	125	130	60	55	335	260	220	220	220	235	225	220	205	190	180	170	175	190	180	9
29	180	200	205	195	270	195	55	355	330	290	220	235	200	185	195	200	190	180	180	165	155	220	255	265	10
30	295	(VA)	130	155	120	75	45	35	10	(VA)	95	300	285	290	245	260	270	255	295	295	200	255	185	185	14
31	140	165	160	160	150	150	165	150	135	295	305	330	305	305	310	295	320	335	325	340	65	95	155	160	(VA)
PV	8	8	8	8	8	8	8	7	16	14	14	14	14	14	13	14	13	11	10	(VA)	8	8	9	8	A

WIND DIRECTION (CC:16)

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE

* FINAL DATA *
* AS OF 31/MAR/A1 *

LEVEL HEIGHT 1 20 METERS

AUG. 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	SE	ESE	E	WSW	NE	WNW	W	WNW	WNW	W	SSW	SW	S	SSW	E	E	SSE	SSE	SE	SSF
2	SE	SE	ESE	SE	SSE	SSE	SE	SE	SW	W	WNW	WSW	W	WSW	WSW	WSW	WSW	W	NW	NW	NW	W	WSW	WSW	WSW
3	SSE	SSE	SSE	SE	SE	SSE	SSE	NW	NW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	W	WSW	WSW	WNW
4	SSE	ESE	SSE	SE	SE	SE	ESE	N	NW	W	W	W	W	WNW	WNW	W	W	WNW	WNW	WNW	W	WSW	S	SSE	W
5	SSE	SSE	SE	SE	SSE	SSE	SSE	SW	NW	W	W	W	W	WNW	WNW	WSW	WSW	WSW	WSW	SW	SW	S	SSE	W	SSE
6	NE	N	SSW	SSE	SSE	SSE	ENE	ENE	ENE	WNW	WNW	WNW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	S	SSE	SW	SW
7	SSE	SSE	SSE	SSE	SSE	SE	SSE	E	N	NW	NW	WNW	NW	NW	(VA)	N	NW	NW	SW	ESE	SSE	SE	SSE	SSE	SSE
8	S	S	S	S	SSE	SSE	SE	SSW	W	NW	WNW	W	W	W	W	W	W	SSW	W	SW	S	SSE	W	E	S
9	SSE	SSE	S	S	SSE	S	SE	S	SW	WSW	W	WNW	WNW	W	W	W	W	NW	NW	NW	ESE	SSE	SSE	SSE	SSE
10	SSE	SSE	SSE	S	SSE	SSE	SSE	S	E	W	WNW	WNW	WNW	WNW	WNW	WNW	W	NW	NW	NW	(VA)	SSE	SSE	SSE	WNW
11	S	SSE	SSE	SSE	SSE	SSE	SSE	S	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNE	NW	NW	(VA)	SSE	SSE	WNW
12	SE	SE	SSE	SE	E	SSE	SE	ENE	ENE	SSW	W	WNW	WNW	W	(VA)	SE	NW	WNW	WNW	NNE	SE	SSE	SSE	SSE	SSF
13	(VA)	ENE	ESE	SE	SE	SSE	SE	(VA)	(VA)	WNW	WNW	WNW	WNW	W	(VA)	SE	N	ENE	SE	SE	SE	SSE	SSE	SSE	SE
14	SE	SSE	S	(VA)	SE	SSE	SSE	(VA)	ESE	(VA)	WNW	NW	W	W	S	S	S	WSW	WSW	WSW	SE	SSE	SE	(VA)	SSE
15	NW	S	(VA)	S	S	SSE	SSE	SSE	ENE	ENE	WNW	W	W	W	S	S	S	WSW	WSW	ENE	ENE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	W	SW	SSW	S	S	S	S	(VA)	NW	NW	SW	S	SSE	SSE	SSE	SSE
17	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	WNW	WNW	WNW	WNW	W	W	W	WSW	WNW	N	ENE	ENE	SSE	SSE	SSE	SSE
18	SSE	S	SSE	SSE	SE	SE	SE	ENE	NE	W	SW	SSW	S	W	S	S	(VA)	NW	W	SW	S	SSE	SSE	SSE	SSE
19	S	S	S	S	SSE	SSE	S	SSW	SSW	W	SW	SSW	S	W	W	W	WSW	WNW	W	WSW	W	S	SSE	SSE	S
20	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	WSW	W	WNW	WNW	WNW	W	W	W	WSW	WNW	W	WSW	W	NW	NW	WNW	WNW
21	SSE	SE	SE	SE	SSE	SSE	SSE	S	WSW	WNW	W	WNW	W	W	W	W	(VA)	E	NE	ENE	SE	S	SSE	SSE	SSE
22	SE	SE	SE	SSE	SSE	SSE	SSE	E	(VA)	NE	N	S	SW	SW	SW	SW	SW	SW	NE	ESE	SSE	SSE	SSE	SSE	SSE
23	SSE	SE	N	SE	S	NW	N	NE	SSW	SW	W	WSW	SSE	SSE	W	ENE	S	SSE	SSW	SE	SE	SSE	SSE	SSE	SSE
24	S	NE	NE	ENE	SSE	E	SSE	SE	SE	W	W	WNW	WNW	SW	S	S	SSW	SSW	N	S	SSE	SSE	SSE	SSE	S
25	N	SE	SSE	SE	ESE	E	ESE	E	E	(VA)	WNW	SW	N	WNW	W	W	(VA)	SSE	SSW	S	SSE	SSE	SSE	SSE	SSE
26	SSE	S	SSE	SSE	SSE	SSE	SSE	E	E	(VA)	WSW	N	NW	W	W	W	W	W	E	NE	SE	SSE	SSE	SSE	SSE
27	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	N	WNW	W	W	W	W	W	W	SW	SE	S	SE	SSE	SSE	SSE	SSE
28	SE	SSE	E	SE	SE	SE	SE	ENE	NE	WNW	W	W	W	W	W	W	W	SW	S	S	S	S	S	S	S
29	S	S	S	S	S	S	NE	N	NW	WNW	SW	SW	SW	SW	SW	SW	SW	SW	S	SSE	SSW	SSW	SSW	SSW	SSW
30	WNW	(VA)	SE	SSE	ESE	ENE	NE	N	(VA)	E	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	(VA)
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSW	(VA)	SSE	SSE	SSE	SSE	SSE	SSE

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WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 SEP, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC1161)
 DEGREES
 LEVEL HEIGHT : 20 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	155	160	165	155	150	125	180	345	295	255	290	290	290	290	320	0	65	100	165	145	160	165	A	
2	165	155	140	130	160	145	120	40	345	305	290	265	275	235	295	245	240	220	170	160	185	(VA)	(VA)	A	
3	120	210	240	40	115	160	165	280	310	295	245	300	255	295	290	295	290	295	295	190	165	170	155	A	
4	150	155	155	150	145	150	145	105	275	305	265	240	280	300	310	280	255	340	130	160	145	150	160	A	
5	155	155	160	155	145	155	145	(VA)	300	340	345	305	305	330	315	320	310	350	90	160	155	170	140	A	
6	145	170	175	155	145	125	180	195	225	265	275	275	205	220	280	295	330	305	190	160	160	155	160	A	
7	180	170	140	160	160	155	145	275	280	280	100	100	155	140	190	(VA)	130	205	140	155	135	150	165	A	
8	270	175	160	160	150	150	270	265	275	280	235	195	115	140	190	275	15	270	15	130	160	160	160	A	
9	155	155	180	180	270	(VA)	160	170	130	105	100	75	45	40	45	50	20	305	240	275	285	270	A		
10	270	290	15	0	350	315	205	90	325	40	285	280	235	230	160	195	135	65	225	190	195	265	200	10	
11	175	145	160	145	140	125	130	0	255	200	215	235	240	235	240	265	260	290	250	215	180	175	170	11	
12	160	155	170	175	135	130	115	120	110	275	295	0	285	295	250	140	150	(VA)	115	140	160	175	160	A	
13	155	160	180	180	140	150	145	150	270	325	(VA)	195	190	185	195	210	200	190	160	165	160	160	165	A	
14	165	145	160	145	125	105	140	130	115	225	160	230	280	300	310	300	320	25	160	155	160	160	145	7	
15	155	140	135	150	160	155	160	95	345	350	270	290	295	265	260	270	255	230	220	205	185	210	140	150	A
16	160	150	255	120	195	175	165	125	5	280	290	280	280	275	270	275	285	280	275	270	250	205	195	13	
17	170	165	160	160	155	150	165	155	95	(VA)	260	270	260	255	265	275	220	285	275	185	165	165	170	165	A
18	160	145	150	130	140	145	145	125	65	10	300	320	290	265	195	195	200	185	160	175	140	190	185	9	
19	175	180	185	190	190	185	185	185	190	210	215	240	240	235	230	265	325	300	(VA)	315	355	5	260	50	A
20	100	330	65	160	155	155	135	135	115	330	295	340	305	270	280	285	290	250	205	160	155	160	150	A	
21	135	150	130	105	125	90	165	215	20	290	295	290	290	290	295	290	275	295	315	325	320	130	145	205	14
22	(VA)	295	235	275	225	(VA)	235	245	295	0	30	345	260	240	295	240	300	315	15	140	155	150	155	150	14
23	155	145	150	145	135	125	130	125	45	300	280	275	265	280	290	270	340	5	30	140	160	165	(VA)	160	7
24	165	155	155	170	155	140	105	120	100	280	280	280	275	285	285	295	285	50	90	155	150	150	150	150	A
25	150	145	155	155	160	165	175	195	275	305	280	280	275	285	265	305	315	345	155	155	150	145	155	155	A
26	155	150	150	145	135	130	155	140	(VA)	305	305	275	295	295	280	265	335	5	85	155	155	160	155	A	
27	150	140	145	135	130	130	85	145	(VA)	320	325	320	295	270	280	315	350	330	95	160	155	155	140	7	
28	150	150	150	140	125	110	150	80	105	340	315	290	285	305	295	260	260	260	195	160	165	165	165	165	A
29	165	165	155	150	120	155	145	110	90	15	315	300	285	240	265	330	315	330	50	145	160	155	155	145	A
30	145	150	140	135	130	150	145	125	115	0	335	290	285	275	275	345	350	335	100	175	170	165	165	160	A
PV	6	6	6	6	7	8	8	7	6	16	14	13	14	13	14	14	14	16	2	4	8	6	6	6	A

WIND DIRECTION (CC116)

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

LEVEL HEIGHT 1 20 METERS

SEP, 1960

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	NNW	NNW	WSW	WSW	WSW	NNW	NNW	NNW	NNW	N	ENE	E	SSE	SE	SSE	SSE	SSE
2	ESE	SSE	SSE	SE	SE	SE	ESE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	(VA)	SSE	NNW
3	SSE	SSE	SSE	SE	SE	SE	SSE	SSE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
4	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
5	SSE	SSE	SSE	SSE	SSE	SSE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
6	SE	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	NNW	NNW	S	SSE	SSE	SSE	SSE	NNW
7	S	S	S	S	S	S	S	S	W	W	W	W	W	W	W	W	W	NNW	NNW	SE	SSE	SSE	SSE	SSE	NNW
8	W	S	S	S	S	S	S	W	W	W	W	W	W	W	W	W	W	NNW	NNW	W	NNE	SSE	SSE	SSE	NNW
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNW	NNW	W	NNE	SSE	SSE	SSE	NNW
10	W	NNW	NNW	N	N	NNW	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	NNW
11	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	NNW	NNW	W	SW	S	S	S	SW
12	SSE	SSE	SSE	S	S	S	ESE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ESE	SSE	SSE	SSE	SSE	NNW
13	SSE	SSE	SSE	S	S	S	SSE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
14	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
15	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
16	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
17	S	S	S	S	S	S	SSE	SSE	(VA)	W	W	W	W	W	W	W	W	NNW	NNW	W	SW	SSE	SSE	SSE	NNW
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	NNW
19	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	NNW	NNW	W	S	S	S	S	NNW
20	E	NNW	NNW	SSE	SSE	SSE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	NNW
21	SE	SSE	SE	ESE	SE	E	SSE	SW	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	NNW
22	(VA)	NNW	SW	W	SW	(VA)	SW	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	NNW
23	SSE	SE	SSE	SE	SE	SE	SE	SE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
26	SSE	SSE	SSE	SSE	SSE	SSE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
27	SSE	SE	SE	SE	SE	SE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
28	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
29	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
30	SE	SSE	SE	SE	SE	SE	SE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
PY	SSE	SSE	SSE	SSE	SE	SSE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 OCT. 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC116)
 DEGREES
 LEVEL HEIGHT : 20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	150	130	110	140	140	105	100	65	355	275	300	320	195	285	255	295	30	105	125	155	175	135	355	7
2	125	95	140	0	150	110	90	85	85	55	55	40	70	5	90	0	170	40	90	165	155	160	155	160	A
3	155	130	130	130	145	145	120	160	70	295	315	290	315	350	305	270	200	120	130	155	160	165	160	160	7
4	155	145	135	145	135	105	135	150	90	(VA)	310	295	280	285	295	330	215	125	155	155	150	160	155	155	7
5	150	150	145	135	135	140	110	70	285	295	270	290	220	270	260	305	295	40	150	150	150	160	155	A	
6	175	155	160	160	150	145	145	125	5	355	315	330	315	330	330	265	240	255	180	155	155	150	145	145	A
7	145	140	130	135	140	145	110	150	100	320	305	300	295	295	300	320	295	305	125	155	165	155	145	155	7
8	145	150	140	140	145	125	140	115	105	80	300	300	305	275	295	(VA)	70	35	120	170	150	165	155	160	7
9	155	145	130	115	115	125	140	135	65	280	305	285	265	295	325	310	290	155	150	140	165	145	155	155	7
10	150	160	280	190	160	155	140	90	(VA)	0	55	40	65	0	(VA)	295	315	300	25	145	165	170	155	160	A
11	155	150	135	150	145	130	145	105	330	305	300	280	270	270	245	260	185	170	100	130	190	255	305	7	
12	15	340	60	70	115	60	100	25	340	245	270	195	285	275	190	130	155	170	(VA)	255	265	165	130	A	
13	135	230	270	25	115	60	60	60	55	290	285	250	295	285	(VA)	150	120	135	160	210	295	325	205	155	14
14	140	145	150	155	140	150	155	170	(VA)	10	65	295	60	55	90	35	65	150	150	250	305	55	215	125	A
15	140	110	160	40	140	175	160	115	85	160	150	155	150	195	145	165	145	160	115	60	60	35	60	5	7
16	310	350	110	265	265	255	325	45	55	80	70	50	20	10	25	5	250	215	250	235	260	265	265	275	12
17	280	300	0	155	160	165	175	175	215	240	255	270	265	285	285	270	225	270	270	265	255	200	165	170	13
18	170	170	170	165	155	170	165	170	175	170	(VA)	(VA)	270	180	(VA)	320	255	135	145	160	160	145	150	150	A
19	145	120	125	135	140	135	140	135	100	315	260	290	295	315	295	305	295	315	120	155	170	150	150	140	7
20	150	140	145	145	135	130	155	150	120	20	310	260	275	315	275	295	(VA)	0	110	160	140	135	140	145	7
21	145	150	140	140	155	120	85	165	120	40	340	295	285	245	285	270	220	15	135	170	175	160	175	170	A
22	165	165	100	145	140	140	180	195	235	270	265	260	270	260	280	265	285	285	320	335	350	0	15	20	14
23	110	165	155	135	30	70	40	300	60	70	50	15	35	150	215	(VA)	315	0	85	155	160	155	150	140	A
24	140	140	140	150	150	105	135	145	145	(VA)	345	320	345	285	270	310	300	285	230	165	145	155	140	135	7
25	150	145	150	145	155	160	145	115	85	285	280	300	305	285	310	300	65	(VA)	165	150	160	160	140	135	7
26	125	150	155	145	90	95	(VA)	135	(VA)	(VA)	315	275	285	275	270	275	(VA)	65	60	315	275	255	275	160	13
27	130	155	160	150	160	195	190	150	100	50	70	70	65	60	50	50	55	50	55	50	25	30	5	25	3
28	65	110	205	260	110	160	245	(VA)	125	270	305	315	(VA)	35	340	10	65	115	155	150	155	150	150	150	A
29	140	140	125	100	115	90	135	105	105	325	0	295	270	255	320	330	310	100	100	175	165	160	150	145	7
30	125	145	120	120	150	140	135	120	145	290	310	320	300	265	(VA)	295	255	325	155	165	155	155	140	150	7
31	150	150	85	140	150	155	150	135	50	105	270	295	305	290	305	325	305	205	155	155	140	155	140	160	A
PV	6	7	7	7	7	7	7	7	5	14	15	14	14	14	14	15	14	14	6	A	A	A	A	A	7

WIND DIRECTION (CC116)

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #119
BONANZA, UTAH
SITE 6

OCT, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	ESE	SE	ESE	E	E	ENE	N	W	WNW	NW	SSW	WNW	WSW	WNW	NNE	ESE	SE	SSE	S	SE	N	SE
2	SE	E	SE	ESE	SSE	ESE	E	E	ENE	N	W	WNW	ENE	N	E	N	S	NE	E	ESE	SE	SSE	SSE	SE	SSE
3	SSE	SE	SE	SE	SE	SE	SSE	SSE	ENE	WNW	WNW	WNW	NW	N	NW	W	SSW	ESE	SE	SE	SSE	SSE	SSE	SE	SSE
4	SSE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
5	SSE	SSE	SSE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
6	S	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	N	N	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
7	SE	SE	SE	SE	SE	SE	SE	SE	ENE	N	N	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
8	SE	SE	SE	SE	SE	SE	SE	SE	ENE	N	N	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
9	SSE	SE	SE	ESE	ESE	ESE	SE	SE	ENE	N	N	WNW	NW	N	NW	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
10	SSE	SSE	W	SSE	SSE	SE	SE	SE	ENE	N	N	WNW	ENE	N	N	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
11	SSE	SSE	SE	SE	SE	SE	SE	SE	ENE	N	N	WNW	ENE	N	N	W	SSW	ENE	SE	SE	SSE	SSE	SSE	SE	SSE
12	NNE	NW	ENE	ENE	ESE	E	E	ENE	WNW	WNW	WNW	WNW	W	W	W	W	W	W	(VA)	W	W	W	W	W	W
13	SE	SW	W	ENE	ESE	E	E	ENE	WNW	WNW	WNW	WNW	W	W	W	W	W	W	(VA)	W	W	W	W	W	W
14	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	(VA)	N	ENE	WNW	ENE	N	ENE	ENE	ENE	SSE	SSE	WSW	NW	NE	SW	SE	SSE
15	SE	ESE	SSE	NE	SE	S	ESE	E	ENE	N	ENE	ENE	SSE	SSE	SE	SE	SE	SSE	ESE	ENE	ENE	NE	ENE	N	SE
16	NW	N	ESE	W	W	WSW	NW	NE	ENE	ENE	ENE	ENE	NNE	N	NNE	N	WSW	SW	WSW	SW	W	W	W	W	WSW
17	W	WNW	N	SSE	SSE	SSE	S	S	(VA)	S	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W
18	S	S	S	SSE	SSE	SSE	S	S	(VA)	S	S	(VA)	W	S	(VA)	NW	WSW	SE	SE	SE	SSE	SSE	SSE	S	W
19	SE	ESE	SE	SE	SE	SE	SE	SE	E	NW	W	WNW	WNW	NW	WNW	WNW	WNW	SE	SE	SE	SSE	SSE	SSE	SE	SSE
20	SSE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	SE	ESE	SSE	SSE	SSE	SSE	SE	SSE
21	SE	SSE	SE	SE	SSE	ESE	E	SSE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	NNE	N	FSE	SSE	SE	SE	SE	SSE
22	SSE	SSE	E	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	SE	SE	S	SSE	S	S	S	SSE
23	ESE	SSE	SSE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	SE	SE	SE	SSE	SSE	SSE	SE	SSE
24	SE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	SE	SE	SE	SSE	SSE	SSE	SE	SSE
25	SSE	SE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	(VA)	SSE	SSE	SSE	SSE	SSE	SE	SSE
26	SE	SSE	SSE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	ENE	ENE	ENE	NW	W	W	W	W
27	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	ENE	ENE	ENE	ENE	W	W	W	W	ENE	ENE	ENE	NW	W	W	W	W
28	ENE	ESE	SW	W	ESE	SSE	WSW	(VA)	SE	W	NW	NW	(VA)	NE	WNW	N	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SE	SSE
29	SE	SE	SE	E	SE	ESE	ESE	ESE	ESE	WNW	N	WNW	(VA)	W	WSW	NW	WNW	NW	E	S	SSE	SSE	SSE	SE	SSE
30	SE	SE	ESE	ESE	SE	SE	ESE	SE	ENE	WNW	NW	WNW	W	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SE	SSE
31	SSE	SSE	E	SE	SSE	SSE	SE	SE	ENE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	SSE	SSE	SSE	SSE	SSE	SE	SSE
PV	SSE	SE	SE	SE	SE	SE	SE	SE	E	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SE	SE

WHITE HIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 NOV, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC116)
 DEGREES
 LEVEL HEIGHT 4 20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	140	135	150	140	110	160	150	95	40	310	305	255	(VA)	240	205	75	145	160	150	155	135	105	7		
2	145	155	130	130	130	125	90	155	110	225	250	195	345	40	260	270	335	310	120	155	160	135	150	150	7	
3	115	120	130	140	135	95	110	105	115	35	(VA)	220	295	295	230	285	310	50	110	165	170	160	160	160	6	
4	160	145	140	135	95	120	115	110	75	330	300	285	275	310	20	345	0	100	155	160	160	150	145	7		
5	150	155	130	130	130	120	150	135	120	10	325	300	295	300	300	270	250	180	155	160	160	155	155	155	8	
6	155	145	155	155	120	75	115	130	70	155	295	325	280	255	300	255	345	170	225	(VA)	160	160	165	165	A	
7	265	(VA)	105	140	95	125	90	75	130	(VA)	305	285	275	240	225	225	170	170	160	100	(VA)	295	(VA)	(VA)	A	
8	290	255	240	225	235	225	220	225	275	295	300	285	290	290	290	295	295	270	200	165	170	165	150	150	14	
9	130	140	125	145	155	135	155	150	100	(VA)	350	315	270	285	270	265	90	155	120	150	140	145	140	140	7	
10	140	170	150	145	140	110	105	125	95	(VA)	285	305	270	275	285	280	110	155	150	150	155	150	140	140	7	
11	125	145	145	175	115	80	115	145	95	325	345	350	280	(VA)	165	300	155	195	175	195	225	(VA)	340	340	7	
12	305	75	160	160	155	190	160	170	75	(VA)	195	190	205	235	170	170	80	60	60	75	80	45	80	75	9	
13	150	105	170	170	65	75	80	85	75	75	80	75	80	60	60	70	80	60	60	75	80	45	80	75	5	
14	80	85	95	105	100	105	65	80	90	80	75	45	50	65	30	45	40	40	60	60	85	95	190	150	140	5
15	150	165	160	160	150	160	155	155	150	275	285	320	310	345	40	45	60	70	35	40	40	45	65	75	(VA)	5
16	70	45	310	(VA)	130	185	150	250	255	285	50	95	60	240	250	265	305	335	45	110	160	155	280	330	12	
17	245	160	160	175	160	160	155	135	130	100	95	295	300	255	230	250	140	30	135	170	155	155	140	150	A	
18	140	140	150	155	155	115	125	160	145	(VA)	285	270	260	270	325	290	340	45	170	155	155	160	155	150	A	
19	150	155	150	150	125	90	155	100	110	(VA)	290	295	310	300	260	270	270	10	115	170	170	160	160	155	A	
20	160	120	150	145	120	120	120	135	150	(VA)	310	295	270	305	320	275	270	65	165	160	150	140	135	140	7	
21	140	120	150	95	145	125	80	95	175	240	250	305	290	240	275	265	320	(VA)	165	160	140	130	90	130	7	
22	140	95	350	80	155	75	45	25	90	(VA)	55	5	350	10	305	250	145	155	150	140	155	160	165	160	A	
23	145	145	155	140	155	150	150	150	145	145	305	300	340	315	325	5	5	155	215	170	(VA)	345	0	8		
24	(VA)	345	340	35	5	325	320	280	275	270	265	265	280	200	155	250	330	35	45	(VA)	(VA)	35	105	180	13	
25	165	130	150	195	150	205	225	(VA)	180	265	265	265	270	290	295	275	190	160	150	155	180	160	(VA)	40	A	
26	170	155	165	140	145	145	155	140	115	165	(VA)	290	280	270	265	265	145	125	155	170	160	160	155	145	A	
27	125	125	140	105	110	155	95	155	145	255	290	305	5	15	320	225	275	260	270	215	135	150	155	145	7	
28	140	155	145	145	80	(VA)	85	165	(VA)	290	275	285	270	240	280	255	245	160	165	285	130	155	135	7		
29	135	15	75	145	115	160	125	125	170	295	260	310	250	280	300	230	160	100	75	(VA)	115	55	95	150	7	
30	120	155	175	100	45	40	20	15	345	310	270	280	295	(VA)	235	230	245	210	50	275	225	200	260	(VA)	7	

ABOUT (21 JAN 81)

WIND DIRECTION (CC116)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 20 METERS

.....
*
* FINAL DATA *
* AB OF 31/MAR/81 *
*
*

NOV, 1980

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SSE	SE	SSE	ESE	SSE	SSE	E	NE	NW	NW	NW	WSW	(VA)	WSW	WNW	ENE	SE	SSE	SSE	SE	ESE	SE	SE
2	SSE	SSE	SE	SE	SE	NE	E	SSE	ESE	SW	WSW	SSW	NW	NE	W	W	WNW	NW	ESE	SSE	SSE	SE	ESE	SE	SE
3	ESE	SE	SE	SE	SE	SE	E	ESE	ESE	NE	(VA)	SW	WNW	WNW	SW	WNW	NW	NE	ESE	SSE	SSE	SE	ESE	SE	ESE
4	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ENE	NNW	WNW	WNW	W	W	NW	NNE	NW	N	E	SSE	SSE	SE	ESE	SE	SE
5	SSE	SSE	SE	SE	SE	ESE	SE	SE	ESE	N	NW	WNW	WNW	WNW	WNW	WNW	W	WSW	S	SSE	SSE	SE	ESE	SE	SSE
6	SSE	SSE	SSE	SSE	SSE	ESE	ESE	ESE	ENE	SSE	WNW	WNW	WNW	W	WSW	WNW	WSW	NNW	S	(VA)	SSE	SSE	SE	ESE	SE
7	W	(VA)	ESE	SE	E	SE	E	ENE	SE	(VA)	NW	WNW	WSW	W	WSW	WNW	W	S	S	(VA)	ENE	(VA)	NNW	(VA)	W
8	NNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	SSE	SSE	SSE	NNW	W
9	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	(VA)	N	NW	W	W	WNW	W	W	E	SSE	ESE	SSE	SE	SE	SE	SE
10	SE	S	SSE	SE	SE	ESE	ESE	SE	E	(VA)	WNW	NW	W	W	WNW	W	ESE	SSE	SSE	SSE	SSE	SE	SE	SE	SE
11	SE	SE	SE	ENE	ESE	E	ESE	SE	E	NNW	NNW	N	W	W	(VA)	SSE	WNW	SSE	SSW	SSW	SSW	(VA)	NNW	SE	SE
12	NW	ENE	SSE	SSE	SSE	S	S	S	ENE	(VA)	SSW	S	S	SSW	SW	S	S	W	NNW	NE	SE	S	SSW	E	S
13	SSE	ESE	S	ENE	ENE	ENE	E	E	E	ENE	ENE	E	E	ENE	ENE	ENE	E	ENE	ENE	E	E	E	ENE	E	E
14	E	E	E	ESE	E	ESE	E	E	E	E	ENE	NE	NE	ENE	ENE	ENE	NE	NE	NE	NE	NE	E	ENE	E	E
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	NW	NW	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
16	ENE	NE	NW	(VA)	SE	S	SSE	WSW	WSW	NNW	NE	E	E	WSW	WSW	W	NW	NNW	E	ESE	SSE	W	NNW	WSW	WSW
17	WSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	E	ENE	W	W	WSW	WSW	W	WSW	SE	NNE	SE	SSE	SE	SSE	SSE	SSE
18	SE	SE	SSE	SSE	SSE	ESE	SE	SE	SE	(VA)	WNW	W	W	W	NW	WNW	NE	S	SSE	SSE	SSE	SE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	E	SSE	E	ESE	(VA)	WNW	WNW	NW	NW	W	W	N	ENE	SSE	SSE	SSE	SE	SE	SE	SE
20	SSE	ESE	SSE	SSE	ESE	ESE	ESE	ESE	SSE	(VA)	NW	WNW	NW	NW	W	W	W	ENE	SSE	SSE	SSE	SE	SE	SE	SE
21	SE	ESE	SSE	E	SE	SE	E	E	S	WSW	WSW	NW	WNW	W	W	W	W	ENE	SSE	SSE	SSE	SE	SE	SE	SE
22	SE	E	N	E	SSE	ENE	NE	NNE	E	(VA)	NE	N	N	N	W	WSW	SE	SSE	SSE	SSE	SSE	SE	SE	SE	SE
23	SE	SE	SSE	SE	SSE	SSE	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	N	N	SSE	SSW	S	(VA)	NNW	N	SSE
24	(VA)	NNW	NNW	NE	N	NW	NW	W	W	W	W	W	W	SSW	SSE	WSW	NNW	NE	(VA)	NE	NE	W	W	W	W
25	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	WSW	W	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE
26	S	SSE	SE	SE	SE	SE	SE	SE	ESE	SSE	(VA)	WNW	W	W	W	W	W	SE	SSE	SSE	SSE	SE	SE	SE	SE
27	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	WSW	WNW	NW	N	N	N	W	W	W	W	W	W	W	W	W	W
28	SE	SSE	SE	SE	E	(VA)	(VA)	E	SSE	(VA)	WNW	W	W	W	W	W	W	WSW	SSE	SSE	NNW	SE	SSE	SE	SE
29	SE	NNE	ENE	SE	ESE	SSE	SE	SE	ESE	WNW	W	NW	WSW	W	W	W	W	E	ENE	(VA)	(SE	NE	F	SSE	SE
30	ESE	SSE	S	E	NE	NE	NNE	NNE	ENE	NNW	NW	W	W	WNW	(VA)	SW	SW	WSW	SSW	NE	W	SW	SSW	W	(VA)
PV	SE	SE	SSE	SE	SE	ESE	(VA)	SE	ESE	W	NNW	WNW	W	W	W	W	W	ENE	S	SSE	SSE	SE	SSE	SE	SE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 DEC. 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC116)
 DEGREES
 LEVEL HEIGHT 1.20 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	260	270	280	220	(VA)	170	230	245	125	270	(VA)	275	270	245	235	215	220	(VA)	135	155	145	140	145	120	13
2	120	145	140	75	(VA)	160	90	125	210	(VA)	275	265	280	225	260	265	270	140	130	100	105	105	205	325	17
3	40	15	150	75	75	180	25	265	235	(VA)	240	(VA)	20	300	310	275	190	165	200	195	195	190	215	70	10
4	110	105	105	40	130	(VA)	50	190	195	195	190	195	190	200	205	210	205	200	255	155	185	180	190	165	9
5	180	170	205	100	165	105	150	150	20	350	335	270	265	275	(VA)	245	285	275	300	55	145	140	110	25	13
6	150	40	(VA)	105	160	250	155	275	280	285	(VA)	155	120	40	350	55	105	185	160	(VA)	235	(VA)	20	65	13
7	185	210	235	180	270	125	100	45	95	55	0	45	10	5	35	50	275	35	65	65	65	60	50	90	3
8	105	85	70	40	80	25	335	60	115	345	10	55	305	315	315	290	255	230	160	160	160	165	155	145	(VA)
9	145	145	130	135	25	180	255	355	280	270	275	285	285	255	260	240	150	125	155	155	145	125	150	150	8
10	140	135	135	155	145	155	155	105	125	150	(VA)	330	330	285	265	305	345	25	110	170	165	145	150	155	7
11	135	60	70	145	130	155	155	170	150	175	250	275	275	260	280	270	255	225	155	150	160	155	155	155	8
12	140	150	160	145	140	95	150	90	35	285	280	280	335	295	260	265	290	50	175	160	145	140	150	155	8
13	160	155	135	130	135	115	145	130	140	120	300	270	295	300	290	280	310	85	155	150	155	160	155	160	7
14	160	155	125	135	100	148	160	115	75	130	(VA)	50	265	280	275	315	320	180	160	155	145	145	155	140	8
15	135	150	80	90	120	85	115	130	100	85	320	265	270	260	255	5	(VA)	235	170	165	165	160	130	90	5
16	150	150	145	105	130	140	190	80	95	120	305	240	275	275	265	265	265	230	165	150	165	165	150	145	8
17	105	160	125	95	125	145	155	120	145	90	240	305	350	280	265	260	255	295	150	125	155	175	150	130	7
18	150	120	140	145	150	130	125	115	105	120	325	300	280	270	270	265	260	265	155	160	140	125	160	155	6
19	160	155	160	155	150	150	145	155	160	210	280	0	330	275	275	265	255	240	145	170	150	145	160	155	8
20	150	130	145	135	150	145	140	85	115	135	345	265	270	265	295	275	240	200	160	160	155	150	160	160	7
21	155	150	125	165	150	125	90	110	100	150	300	270	275	280	265	280	275	(VA)	160	120	20	105	0	(VA)	8
22	55	145	110	105	125	325	330	120	55	40	15	25	(VA)	215	265	210	175	210	100	50	65	215	255	190	6
23	115	115	150	170	220	170	145	135	105	175	225	260	255	280	290	295	(VA)	120	150	150	165	160	150	150	6
24	155	150	130	130	105	140	110	135	135	80	285	305	270	270	270	240	245	230	160	155	160	120	85	150	6
25	180	215	75	135	145	125	140	70	100	70	30	250	270	265	260	285	285	145	150	180	150	145	115	125	6
26	125	145	85	115	40	170	145	130	155	120	335	320	315	220	330	300	345	290	155	155	160	145	155	155	7
27	155	155	150	155	130	140	155	155	150	115	310	80	300	325	295	295	265	320	110	155	155	155	160	165	6
28	155	115	165	85	140	60	50	140	175	100	250	320	275	265	265	265	285	(VA)	160	160	150	160	160	150	6
29	155	160	155	150	140	140	140	115	105	95	(VA)	295	240	300	305	260	270	(VA)	150	160	150	135	145	155	7
30	115	155	150	150	145	150	130	155	145	55	285	325	300	285	265	260	260	10	140	155	165	160	145	155	7
31	150	130	140	125	150	130	85	115	75	210	330	280	270	265	265	260	265	(VA)	140	155	150	150	145	155	6
PV	7	7	7	7	7	8	7	7	7	6	14	13	14	13	14	13	13	11	7	6	6	6	7	6	7

ABOUT (21 JAN 81)

WIND DIRECTION (CC4161)

WHITE RIVER SHALE PROJECT, M139

BONANZA, UTAH

SITE 6

LEVEL HEIGHT 1 20 METERS

FINAL DATA

AS OF 31/MAR/81

DEC, 1980

AERODIVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	SW	(VA)	S	SW	WSW	SE	W	(VA)	W	W	WSW	SW	SW	SW	(VA)	SE	SE	SE	SE	SE	SE	SE
2	ESE	SE	SE	ENE	(VA)	SSE	E	SE	SSW	(VA)	W	W	W	SW	W	W	W	(VA)	SE	E	ESE	ESE	SE	ESE	W
3	NE	NNE	SSE	ENE	ENE	S	NNE	W	SW	(VA)	WSW	(VA)	NNE	NNE	NW	NW	W	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW
4	ESE	ESE	ESE	NE	SE	(VA)	NE	S	SSW	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
5	S	S	S	SSW	E	SSE	ESE	SSE	NNE	N	NNE	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	S
6	SSE	NE	(VA)	ESE	SSE	WSW	SSE	W	W	W	(VA)	SSE	ESE	NE	NE	NE	ESE	S	(VA)	(VA)	SW	(VA)	NNE	ENE	SSE
7	S	SSW	SW	S	W	SE	E	NE	E	NE	N	N	N	NE	NE	NE	W	NE	ENE	ENE	E	ENE	NE	E	NE
8	ESE	E	ENE	NE	E	NNE	NNE	ENE	ESE	NNE	N	N	N	NW	NW	NW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	(VA)
9	SE	SE	SE	SE	NNE	S	WSW	N	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
10	SE	SE	SE	SE	SSE	SE	SSE	ESE	SE	SSE	(VA)	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	S	SSE	SSE	SSE	SSE	WSW
11	SE	ENE	ENE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	W	W	W	W	WSW	WSW	WSW	S	SSE	SSE	SSE	SSE	WSW
12	SE	SSE	SSE	SE	SE	E	SSE	SSE	E	NE	W	W	W	W	W	W	WSW	WSW	WSW	SSE	SSE	SSE	SSE	SSE	WSW
13	SSE	SSE	SE	SE	SE	ESE	SE	SE	ESE	W	W	W	W	W	W	W	WSW	WSW	WSW	SSE	SSE	SSE	SSE	SSE	WSW
14	SSE	SSE	SSE	SE	E	SE	SSE	ESE	ENE	SE	(VA)	NE	NNE	N	N	N	N	N	SSE	SSE	SSE	SSE	SSE	SSE	WSW
15	SE	SSE	SE	E	ESE	E	ESE	SE	E	E	N	W	W	W	W	W	(VA)	SW	W	S	SSE	SSE	SE	E	WSW
16	SSE	SSE	SE	E	ESE	SE	E	E	ESE	N	WSW	W	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SE	E	WSW
17	SSE	SSE	SE	E	SE	SE	SSE	ESE	SE	E	WSW	N	N	N	N	N	WSW	WSW	SSE	SE	SE	SE	SE	SE	WSW
18	SSE	SSE	ESE	SE	SE	SE	SE	ESE	ESE	W	W	W	W	W	W	W	WSW	WSW	SSE	SE	SE	SE	SE	SE	WSW
19	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	W	N	NNE	W	W	W	W	WSW	WSW	W	SSE	SE	SE	SE	SE	WSW
20	SSE	SE	SE	SE	SSE	SE	SE	ESE	SE	SE	W	W	W	W	W	W	WSW	WSW	W	SSE	SE	SE	SE	SE	WSW
21	SSE	SSE	SSE	SSE	SSE	SE	E	ESE	E	SSE	W	W	W	W	W	W	(VA)	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	WSW
22	NE	SE	ESE	ESE	SE	NW	NNE	ESE	NE	NE	(VA)	NNE	(VA)	SW	W	SSW	S	SSW	E	NE	E	SW	WSW	S	ESE
23	ESE	ESE	SSE	S	SW	S	SE	SE	ESE	S	SW	W	W	WSW	WSW	WSW	(VA)	ESE	SSE	SSE	SSE	SSE	SSE	SSE	ESE
24	SSE	SSE	SSE	SE	ESE	SE	ESE	SE	SE	E	W	W	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	ESE
25	SE	SW	ENE	SE	SE	SE	SE	ENE	E	ENE	NNE	W	W	W	W	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	SSE	ESE
26	SE	SE	E	ESE	NE	S	SE	SE	ESE	ENE	W	W	W	W	W	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	SSE	ESE
27	SSE	SE	SE	SSE	SSE	SE	SE	SE	SSE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	WSW
28	SSE	SSE	ESE	SSE	E	ENE	NE	SE	S	E	W	W	W	W	W	W	WSW	WSW	W	SSE	SSE	SSE	SSE	SSE	WSW
29	SSE	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	E	(VA)	NNE	W	W	W	W	(VA)	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	WSW
30	ESE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	NE	NNE	NW	W	W	W	W	W	N	SSE	SSE	SSE	SSE	SSE	SSE	WSW
31	SSE	SE	SE	SE	SSE	SE	E	ESE	ENE	SSE	NNE	W	W	W	W	W	(VA)	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	WSW
PV	SE	SE	SE	SE	SE	SSE	SE	SE	ESE	NNE	W	W	W	W	W	W	W	W	SE	SSE	SSE	SSE	SSE	SSE	WSW

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

JAN. 1980

AEROVIRONMENT INC.

WIND DIRECTION (CC:18)

DEGREES
LEVEL HEIGHT 1 30 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRV
1	160	205	(VA)	130	175	165	165	155	220	85	175	315	335	265	285	280	265	265	220	235	275	240	235	185	13
2	305	175	285	190	285	295	290	325	0	0	25	340	315	280	25	5	325	285	330	270	285	285	255	95	14
3	0	295	5	175	175	170	175	170	185	305	315	315	315	315	280	270	285	285	280	(VA)	(VA)	(VA)	330	300	15
4	250	320	220	195	255	295	320	280	305	280	(VA)	(VA)	330	300	285	295	285	275	285	315	310	5	(VA)	5	14
5	355	30	35	170	205	165	160	140	105	170	170	215	300	0	305	285	60	15	330	310	(VA)	335	150	185	9
6	90	45	355	330	60	55	60	145	170	215	245	280	325	50	55	65	75	85	130	160	170	235	125	125	4
7	50	90	60	35	110	125	230	345	30	70	145	320	(VA)	280	330	35	135	175	165	160	165	120	105	65	7
8	105	135	35	10	20	45	50	105	155	295	320	290	295	185	(VA)	170	170	(VA)	170	210	235	210	240	210	9
9	170	110	160	140	175	130	165	190	185	190	180	185	190	190	190	205	205	215	195	205	185	190	200	195	9
10	185	195	195	190	195	185	190	195	200	200	200	205	215	275	275	285	285	285	275	280	275	285	240	155	10
11	170	160	155	155	160	155	115	210	160	230	(VA)	325	(VA)	150	285	295	35	330	125	280	325	350	345	10	8
12	300	245	105	270	175	285	305	255	275	270	(VA)	295	290	325	305	305	210	10	(VA)	180	150	10	250	165	14
13	20	345	130	165	180	(VA)	85	85	285	(VA)	295	290	290	280	320	305	290	310	285	305	285	(VA)	185	165	14
14	205	195	195	185	175	185	190	230	270	155	150	195	160	175	45	60	55	(VA)	75	100	150	150	220	230	9
15	215	190	160	155	115	150	255	285	280	230	200	300	290	285	0	50	70	55	40	(VA)	285	235	215	115	(VA)
16	140	240	190	180	175	170	240	285	75	270	305	330	350	0	340	280	330	350	330	155	105	160	160	165	15
17	325	125	160	135	80	40	95	180	175	40	75	5	335	305	285	280	265	260	290	75	90	85	85	90	(VA)
18	175	140	145	95	115	(VA)	235	165	235	265	210	325	340	280	275	280	265	260	290	75	90	85	85	90	(VA)
19	80	90	85	75	90	80	80	85	85	95	35	80	55	70	60	50	70	50	80	80	80	60	70	70	4
20	90	145	160	175	170	165	165	160	170	105	195	300	300	310	280	320	350	335	340	255	285	85	170	180	9
21	210	260	230	320	0	35	5	60	315	320	315	305	300	290	(VA)	325	285	290	295	330	325	305	315	330	15
22	325	340	355	345	350	55	95	85	105	95	335	55	315	30	340	320	30	40	85	135	160	155	165	165	16
23	160	120	160	140	95	165	195	85	150	(VA)	310	295	285	305	290	310	275	290	300	295	270	170	280	10	14
24	300	135	95	145	305	65	60	85	150	35	80	345	(VA)	350	310	250	305	300	300	320	280	285	325	295	12
25	310	(VA)	10	350	315	290	355	25	(VA)	325	25	315	245	260	280	325	10	310	175	70	85	80	70	55	15
26	50	50	65	55	35	55	50	55	50	65	330	355	0	40	40	45	55	65	90	65	65	75	50	55	15
27	70	110	20	25	90	100	345	95	60	40	275	275	285	320	320	320	275	285	280	190	200	260	260	90	13
28	50	70	65	70	55	55	45	50	35	55	55	45	50	40	35	60	45	60	25	25	10	290	240	195	3
29	60	35	160	105	345	330	275	315	5	355	310	250	275	295	205	235	205	170	(VA)	180	185	245	135	13	
30	170	140	165	160	150	150	140	165	120	80	(VA)	5	260	245	110	30	(VA)	340	80	175	175	175	180	170	8
31	140	150	155	160	160	135	135	75	160	(VA)	20	290	250	205	345	295	270	270	290	290	245	(VA)	130	95	8
PV	9	7	8	8	9	8	9	5	9	5	15	15	15	13	13	14	14	14	14	14	14	9	12	9	14

WIND DIRECTION (CC11A)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

* FINAL DATA *
* AS OF 31/MAR/81 *

LEVEL HEIGHT 130 METERS

JAN, 1980

AFROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSW	(VA)	SE	S	SSE	SSE	SSE	SW	E	S	NW	NNW	W	WNW	SW	W	SW	SW	W	WNW	WSW	SW	S	W
2	NW	S	NNW	S	NNW	NNW	NNW	NW	N	S	NW	NW	NW	W	W	W	W	W	W	(VA)	(VA)	NNW	WSW	E	NNN
3	N	NNW	N	S	S	S	S	S	S	S	NW	NW	NW	W	W	W	W	W	W	W	W	NNW	NNW	N	NNW
4	WSW	NW	SW	SSW	WSW	NNW	W	W	W	W	(VA)	NNW	NNW	W	W	W	W	W	W	W	W	(VA)	N	NNW	
5	N	NE	NE	S	SSW	SSE	SE	SE	ESE	S	SW	WSW	W	W	W	W	W	W	W	W	W	NNN	SSE	S	S
6	E	NE	N	NNW	ENE	NE	SE	SE	S	SW	WSW	W	W	W	W	W	W	W	W	W	W	W	SE	SE	E
7	NE	E	ENE	NE	ENE	SE	SW	NNW	NNE	ENE	SE	NW	(VA)	W	NNW	NE	SE	SSE	SSE	SSE	SSE	ENE	ENE	SE	SE
8	ESE	SE	NE	NNE	NE	NE	ESE	ESE	ENE	NNW	NW	NNW	NNW	S	(VA)	S	S	S	S	S	S	SSW	SSW	SSW	S
9	S	ESE	SSE	SE	S	SE	SSE	S	S	S	S	S	S	S	(VA)	S	S	S	S	S	S	SSW	SSW	SSW	S
10	S	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	SSW
11	S	SSE	SSE	SSE	SSE	SSE	ESE	SSE	SW	SW	(VA)	NW	(VA)	SSE	W	W	W	W	W	W	W	W	W	SSW	
12	NNW	WSW	ESE	W	S	NNW	NNW	WSW	W	W	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
13	NNE	NNW	SE	SSE	S	(VA)	E	W	W	W	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
14	SSW	SSW	SSW	S	S	S	S	S	W	W	SSE	SSE	SSE	S	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SSW
15	SW	S	SSE	SSE	ESE	SSE	WSW	NNW	W	SW	SSW	NNW	NNW	NNW	N	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	SSW
16	SE	WSW	S	S	S	S	WSW	NNW	ENE	W	W	NNW	NNW	NNW	N	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	SSW
17	NW	SE	SSE	SE	E	NE	S	WSW	W	W	ENE	N	NNW	NNW	N	W	W	W	W	W	W	W	W	W	SSW
18	S	SE	SE	ENE	E	ENE	(VA)	SW	SW	W	SSW	NW	NNW	W	W	W	W	W	W	W	W	W	W	W	SSW
19	E	E	E	ENE	E	E	E	E	E	E	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SSW
20	E	SE	SSE	S	SSE	SSE	ENE	ENE	S	ESE	SSW	NNW	NNW	NNW	W	W	W	W	W	W	W	W	W	W	SSW
21	SSW	W	SW	NW	N	NE	N	ENE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
22	NW	NNW	N	NNW	N	NE	E	ENE	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
23	SSE	ESE	SSE	SE	E	SSE	SSW	E	ESE	E	NNW	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
24	NNW	SE	E	SE	NW	ENE	ENE	E	SSE	(VA)	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
25	NW	(VA)	N	N	NW	NNW	N	NNE	(VA)	NW	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
26	NE	NE	ENE	NE	NE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
27	ENE	ESE	NNW	NNE	E	E	NNW	ENE	ENE	ENE	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
28	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SSW
29	ENE	NE	SSE	ESE	NNW	NNW	W	NNW	N	N	NNW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	SSW
30	S	SE	SSE	SSE	SSE	SSE	SSE	ESE	E	(VA)	N	W	WSW	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
31	SE	SSE	SSE	SSE	SSE	SSE	ENE	SSE	(VA)	NNE	NNW	WSW	SSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW
PV	S	SE	SSE	SSE	S	SSE	S	E	S	E	NNW	NNW	NNW	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 FEB, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC:10)
 DEGREES
 LEVEL HEIGHT : 30 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	190	120	(VA)	165	115	125	185	(VA)	310	255	335	315	280	280	270	260	180	50	60	175	180	90	9	
2	120	165	180	65	180	225	170	160	175	285	40	290	285	310	275	340	340	0	235	255	10	115	340	195	9
3	170	(VA)	(VA)	190	10	20	265	(VA)	300	75	230	270	315	295	290	280	270	300	240	210	85	350	155	210	13
4	55	60	55	15	185	(VA)	225	320	315	225	170	305	300	295	275	275	260	265	260	180	290	210	200	155	13
5	85	105	170	165	60	170	125	35	195	270	40	320	295	280	280	290	275	265	270	260	(VA)	180	15	125	13
6	250	230	105	(VA)	(VA)	350	185	155	150	15	335	265	285	305	280	280	285	285	275	325	340	0	155	155	13
7	160	50	30	250	285	285	285	295	270	250	270	285	295	255	275	(VA)	65	55	50	20	15	355	205	5	13
8	35	50	150	160	185	175	175	165	170	175	320	285	290	280	290	310	325	355	120	165	160	165	160	170	8
9	175	170	150	145	165	165	125	100	110	355	250	290	285	280	280	280	275	270	275	310	105	165	160	160	8
10	135	145	135	50	150	170	(VA)	65	325	65	225	285	315	280	275	275	280	300	260	45	170	170	150	150	13
11	150	155	160	120	65	110	150	80	135	110	335	305	285	285	290	275	280	275	285	265	235	185	175	160	14
12	155	125	150	75	150	150	80	80	140	340	305	280	285	285	285	275	275	280	265	280	225	200	205	195	13
13	55	165	165	135	145	170	80	145	(VA)	85	300	285	345	320	285	285	290	290	280	275	275	230	255	290	14
14	60	290	265	(VA)	25	25	75	140	(VA)	305	280	295	295	285	285	270	285	295	270	145	120	40	15	(VA)	14
15	165	(VA)	190	85	110	225	(VA)	45	310	245	275	275	285	285	280	290	275	270	280	235	340	330	355	(VA)	13
16	150	195	40	115	70	165	160	185	315	10	155	(VA)	350	275	290	285	275	300	290	5	305	320	290	275	14
17	310	310	290	225	285	270	245	310	(VA)	280	280	275	325	320	245	45	330	270	5	85	60	(VA)	125	60	13
18	150	310	190	230	130	205	305	30	65	125	185	265	295	280	290	205	165	185	160	260	210	175	165	165	8
19	190	195	280	175	170	150	105	155	140	130	310	200	240	220	195	190	175	210	115	110	65	235	10	335	9
20	55	135	160	165	165	180	180	200	225	165	210	180	185	185	210	225	300	320	95	165	170	175	175	165	9
21	200	280	205	285	95	(VA)	135	120	135	355	205	190	130	190	185	205	280	280	280	320	340	285	185	165	10
22	190	330	135	260	280	180	155	180	225	260	280	285	285	295	295	330	300	320	45	130	165	190	230	205	14
23	140	150	190	215	180	190	120	175	255	290	380	285	285	305	300	305	285	80	40	75	145	165	165	180	9
24	195	155	160	170	175	160	150	165	125	(VA)	325	330	290	300	300	295	275	(VA)	345	120	180	165	175	175	8
25	170	170	160	155	160	155	165	160	150	290	280	280	300	340	335	325	345	330	280	205	125	160	185	175	8
26	165	160	175	155	120	140	160	125	160	(VA)	295	285	275	320	345	325	290	295	250	245	155	180	185	175	8
27	175	165	165	125	135	145	170	170	65	350	320	305	295	280	280	280	285	270	135	150	150	150	155	155	8
28	165	160	130	135	140	125	190	160	135	285	285	270	270	285	(VA)	330	355	(VA)	270	275	240	165	175	7	
29	300	290	80	170	170	165	175	205	215	200	275	295	295	90	340	345	10	20	25	80	100	85	80	75	5
PV	6	8	8	8	8	8	8	8	7	14	13	14	14	14	14	14	14	14	13	13	8	9	9	9	14

AUGUST (21 JAN 81)

WIND DIRECTION (CARR)

LEVEL HEIGHT 30 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

FEB. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	S	SSE	(VA)	SSE	ESE	ESE	SE	S	(VA)	NW	WSW	NNW	NW	W	W	W	W	W	S	WSW	ENE	S	S	E	S	
2	ESE	SSE	(VA)	ENE	S	SW	SSE	S	(VA)	SW	ENE	SW	WNW	W	W	WSW	NNW	N	SW	WSW	N	ESE	NNW	SSW	S	
3	S	(VA)	S	N	NNE	W	(VA)	WNW	WNW	SW	SW	W	WNW	W	W	W	W	W	W	SSW	E	N	SSW	SSW	W	
4	NE	E	NE	NNE	S	(VA)	SW	NW	SW	SW	SW	W	WNW	W	W	W	W	W	W	W	WSW	SSW	SSW	SSW	W	
5	E	ESE	SSE	E	S	SE	SE	SE	SE	W	NE	NW	WNW	W	W	W	W	W	W	W	(VA)	S	NPE	SE	W	
6	SW	SW	ESE	(VA)	(VA)	W	S	SSE	SSE	W	NNW	W	WNW	W	W	W	W	W	W	W	NNW	N	SSE	SSE	W	
7	SSE	NE	NNE	WSW	WNW	W	WNW	WNW	W	WSW	W	WNW	WNW	W	(VA)	ENE	NE	NE	NE	NNE	NNE	N	SSW	N	W	
8	NE	NE	SSE	SSE	S	S	SSE	S	S	S	NW	WNW	WNW	W	WNW	NW	NW	N	ESE	SSE	SSE	SSE	S	SSE	W	
9	S	S	SSE	SSE	SSE	SSE	SE	E	ESE	N	WSW	WNW	WNW	W	W	W	W	W	W	W	ENE	SSE	SSE	SSE	W	
10	SE	SE	SE	NE	SSE	S	(VA)	ENE	NW	ENE	N	WNW	WNW	W	W	W	W	W	W	W	NE	S	S	SSE	W	
11	SSE	SSE	SSE	ENE	ENE	ESE	SSE	E	SE	ESE	NNW	NW	WNW	W	W	W	W	W	W	W	SW	S	S	SSE	W	
12	SSE	SE	SSE	ENE	SSE	SSE	E	E	SE	NNW	NW	WNW	WNW	W	W	W	W	W	W	W	SW	S	S	SSE	W	
13	NE	SSE	SSE	SE	SE	S	E	SE	(VA)	E	WNW	WNW	WNW	W	W	W	W	W	W	W	SE	ENE	SSW	SSW	W	
14	ENE	WNW	W	(VA)	NNE	NNE	ENE	SE	(VA)	NW	W	WNW	WNW	W	W	W	W	W	W	W	SE	ENE	SSW	SSW	W	
15	SSE	(VA)	S	E	ESE	SW	(VA)	NE	NW	WSW	W	WNW	WNW	W	W	W	W	W	W	W	SW	NNW	NNW	NNW	W	
16	SSE	SSW	NE	ESE	ENE	SSE	SSE	S	N	SSE	(VA)	N	W	WNW	WNW	W	W	W	W	W	N	NW	NNW	NNW	W	
17	NW	NW	NNW	SW	WNW	W	WSW	NW	(VA)	W	W	WNW	WNW	W	W	W	W	W	W	W	E	(VA)	SE	ENE	W	
18	SSE	NW	S	SW	SE	SSW	NW	NNE	ENE	SE	S	W	WNW	W	W	W	W	W	W	W	W	SSW	SSE	SSE	W	
19	S	SSW	W	S	SSE	ESE	ESE	SSE	SE	SE	NW	SSW	SSW	W	W	W	W	W	W	W	W	SSW	SSE	SSE	W	
20	NE	SE	SSE	SSE	SSE	S	S	SSW	SW	SSE	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ENE	SW	N	NNW	S	
21	SSW	W	SSW	WNW	E	(VA)	SE	ESE	SE	N	SSW	S	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SSE	S	
22	S	N	SE	W	W	S	SSE	S	SW	W	W	WNW	WNW	W	W	W	W	W	W	W	NW	NNW	NNW	NNW	W	
23	SE	SSE	S	SW	S	S	ESE	S	WSW	WNW	N	WNW	WNW	W	W	W	W	W	W	W	SE	SSE	SSE	SSE	W	
24	SSW	SSE	SSE	S	SSE	SSE	SSE	SSE	SE	(VA)	NW	WNW	WNW	W	W	W	W	W	W	W	ENE	SE	SSE	SSE	W	
25	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	WNW	WNW	W	W	W	W	W	W	W	(VA)	NNW	ESE	S	SSE	W
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	WNW	WNW	W	WNW	W	W	W	W	W	W	W	SSW	SE	SSE	SSE	W	
27	S	SSE	SSE	SE	SE	S	S	ENE	N	NW	WNW	WNW	WNW	W	W	W	W	W	W	W	SSW	SSE	SSE	SSE	W	
28	SSE	SSE	SE	SE	SE	S	SSE	SE	WNW	WNW	W	W	WNW	W	W	W	W	W	W	W	SSW	SSE	SSE	SSE	W	
29	WNW	WNW	E	S	SSE	S	SSE	S	SSW	SW	SSW	W	WNW	W	W	W	W	W	W	W	W	SSW	SSE	SSE	W	
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	W	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSE	SSE	W	

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 6
 MAR, 1980
 AEROSOLMENT INC.

WIND DIRECTION (CCIIAI)
 DEGREES
 LEVEL HEIGHT 1 30 METERS

 * FINAL DATA *
 * 4 AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	80	85	95	95	100	105	95	40	310	295	345	340	295	275	280	330	340	40	115	145	175	165	160	5	
2	150	155	145	135	155	160	145	355	(VA)	300	335	340	305	275	300	320	335	(VA)	135	110	145	150	170	A	
3	155	(VA)	110	170	310	155	225	30	50	115	210	200	185	195	200	230	165	100	130	160	130	195	205	10	
4	210	225	180	190	185	175	165	85	130	140	270	280	295	300	300	300	290	290	275	230	210	195	170	9	
5	170	170	170	165	155	165	190	305	310	260	225	195	200	200	190	200	190	200	195	190	195	195	185	9	
6	180	200	230	270	250	165	165	170	130	10	60	325	275	285	(VA)	130	225	35	70	120	0	150	A		
7	195	225	140	0	65	165	255	175	90	155	210	240	265	270	305	275	270	210	255	5	20	30	175	170	12
8	190	230	265	215	175	180	165	170	180	290	275	280	265	275	280	290	260	245	240	260	180	220	190	13	
9	155	165	195	180	170	175	175	165	185	290	300	275	290	275	285	280	265	255	250	210	175	170	170	9	
10	180	175	175	165	145	150	135	130	65	(VA)	285	305	310	295	265	290	300	280	195	180	190	170	175	170	9
11	170	160	150	165	165	150	135	160	105	275	(VA)	20	335	280	290	175	180	145	175	180	190	175	165	A	
12	165	265	270	270	285	290	280	285	280	280	285	280	285	285	280	275	285	300	310	350	30	85	175	170	14
13	160	170	190	175	170	160	145	155	70	5	330	285	275	305	295	290	280	280	110	180	105	145	120	175	9
14	125	130	170	150	145	150	160	145	75	70	350	295	290	290	265	190	190	200	220	180	185	160	160	(VA)	9
15	85	190	225	165	(VA)	345	20	335	275	50	305	250	280	255	280	210	225	215	255	300	195	330	285	290	12
16	300	305	295	315	345	310	30	65	30	345	335	345	345	330	355	10	355	15	15	35	20	(VA)	150	175	1A
17	185	175	170	175	155	155	150	125	5	0	305	275	190	195	195	265	195	190	160	175	180	175	215	15	9
18	160	160	155	170	120	105	145	190	(VA)	300	300	305	310	290	285	315	315	330	20	150	170	160	165	A	
19	160	150	170	155	135	155	160	125	115	(VA)	285	285	280	280	280	285	310	295	295	325	5	45	80	150	14
20	155	155	190	180	170	160	155	135	110	350	320	295	355	330	290	315	(VA)	180	175	170	175	180	165	145	A
21	75	55	60	145	125	125	125	145	125	190	195	195	190	185	210	225	290	315	320	35	60	160	170	165	9
22	155	165	30	105	275	295	(VA)	255	295	280	355	85	95	70	80	90	95	75	80	60	20	45	(VA)	75	5
23	115	140	180	220	25	195	105	120	140	(VA)	60	75	270	285	320	320	265	295	20	115	230	280	200	(VA)	5
24	115	170	135	70	60	125	60	85	125	215	240	170	185	190	175	175	165	155	165	245	300	300	185	9	
25	165	165	160	160	160	160	160	160	160	160	160	(VA)	300	305	265	290	270	345	5	15	290	255	170	A	
26	170	190	265	200	175	160	190	200	285	315	285	(VA)	150	215	305	275	180	150	145	150	155	175	170	165	9
27	165	160	155	150	160	165	155	120	85	330	310	275	240	285	255	295	290	290	270	240	250	260	245	14	
28	(VA)	65	305	290	300	280	265	295	280	275	15	10	15	20	20	10	25	35	45	40	45	70	30	140	2
29	(VA)	(VA)	10	(VA)	165	165	180	180	245	200	(VA)	320	5	305	(VA)	(VA)	95	80	115	145	150	165	170	8	
30	175	165	145	100	65	75	60	355	70	55	80	155	235	280	245	290	245	145	160	155	150	195	180	170	A
31	160	170	155	160	155	155	155	130	250	235	205	210	250	220	225	220	220	(VA)	110	185	90	155	175	160	A
PV	9	8	8	8	8	8	8	8	7	13	15	15	13	14	14	14	14	14	(VA)	8	9	9	9	9	A

ADOUT (21 JAN 81)

WIND DIRECTION (CCIR)

WHITE RIVER SHALE PROJECT. #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 30 METERS

MAR, 1980

AERODIVISION INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	ESE	E	NE	NW	WNW	NNW	NNW	NNW	W	NNW	NNW	NE	ESE	SE	SE	SSE	SSE	E	
2	SSE	SSE	SE	SE	SSE	SE	SE	SSE	N	(VA)	WNW	NNW	NNW	NW	W	WNW	NW	(VA)	SE	ESE	SE	SE	SSE	SSE	
3	SSE	(VA)	ESE	S	NW	NE	SSE	SW	NNE	SE	ESE	SSW	SSW	S	SSW	SSW	SW	E	SE	SSE	SE	SSW	SSW	SSW	
4	SSW	SW	S	S	S	S	SSE	SSE	E	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
5	S	S	S	SSE	SSE	S	S	NW	NW	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	
6	S	SSW	SW	SW	W	WSW	SSE	S	SE	N	ENE	NW	W	W	W	(VA)	SE	SW	NE	ENE	ENE	N	SSE	SSE	
7	SSW	SW	SE	N	ENE	SSE	WSW	ENE	E	SSE	SSW	WSW	W	W	W	W	W	W	W	N	NNE	NNE	S	WSW	
8	S	S	S	S	S	S	SSE	S	S	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
9	SSE	SSE	SSW	S	S	S	SSE	SSE	S	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
10	S	S	S	SSE	SE	SSE	SE	SE	ENE	(VA)	NNW	NW	NNW	W	W	W	W	W	W	W	W	W	W	S	
11	S	SSE	SSE	SSE	SSE	SSE	SE	SSE	ESE	W	(VA)	NNE	NNW	W	W	W	W	W	W	W	W	W	W	SSE	
12	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	S	
13	SSE	S	S	S	S	SSE	SE	SSE	ENE	N	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W	S	
14	SE	SE	S	S	S	SSE	SSE	SE	ENE	ENE	N	NNW	NNW	W	W	W	W	W	W	W	W	W	W	S	
15	E	S	S	S	SSE	(VA)	NNW	NNE	W	NE	NW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	S	
16	NNW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	NNE	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	S	
17	S	S	S	S	SSE	SSE	SSE	SE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	S	
18	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	(VA)	NNW	NNW	NNW	NNW	W	W	W	W	W	W	W	W	W	W	S	
19	SSE	SSE	S	SSE	SE	SSE	SSE	SE	ESE	(VA)	WNW	NNW	W	W	W	W	W	W	W	W	W	W	W	SSE	
20	SSE	SSE	S	S	SSE	SSE	SSE	SE	ESE	N	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	
21	ENE	NE	ENE	SE	SE	SE	SE	SE	SE	SE	S	SSW	SSW	S	S	S	S	S	S	S	S	S	S	SSE	
22	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	WSW	WNW	W	N	E	E	ENE	E	E	E	E	E	E	E	E	E	S	
23	ESE	SE	S	S	S	SSE	SSE	ESE	SE	(VA)	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	(VA)	
24	ESE	SE	SE	ENE	ENE	SE	ENE	E	SE	SW	WSW	S	S	S	S	SSE	SSE	SSE	SSE	SW	W	W	W	(VA)	
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	NNW	NNW	W	W	W	W	W	W	W	W	W	S	
26	S	S	S	S	S	S	SSE	ESE	E	NNW	NNW	(VA)	SSE	SW	W	W	W	W	W	W	W	W	W	S	
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	E	NNW	NNW	(VA)	SSE	SW	W	W	W	W	W	W	W	W	W	S	
28	(VA)	ENE	NNW	NNW	NNW	W	NNW	W	W	W	NNE	N	NNE	W	W	W	W	W	W	W	W	W	W	W	
29	(VA)	(VA)	N	(VA)	SSE	SSE	S	S	WSW	SSW	(VA)	NW	N	NNW	(VA)	W	W	W	W	W	W	W	W	W	
30	S	SSE	SE	E	ENE	ENE	ENE	N	ENE	NE	E	SSE	SW	W	W	W	W	W	W	W	W	W	W	SSE	
31	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	
PV	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	W	NW	NW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	

WIND DIRECTION (CC:1A)
 DEGREES
 LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 APR, 1980
 AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	105	150	155	110	160	65	65	50	55	15	(VA)	20	(VA)	205	275	(VA)	30	350	45	65	75	80	80	65	4
2	65	330	350	10	330	275	265	265	260	290	310	300	300	315	340	355	355	355	0	55	170	170	170	170	14
3	165	160	170	155	160	150	170	150	95	115	(VA)	335	335	255	185	165	210	305	55	150	155	145	150	A	
4	55	(VA)	110	45	140	195	170	150	320	325	330	280	275	270	175	170	180	160	165	165	170	165	155	8	
5	150	155	155	140	120	155	(VA)	140	(VA)	80	210	270	240	235	235	245	245	290	295	190	195	175	180	8	
6	265	250	250	245	210	190	190	250	255	280	265	265	265	265	290	285	280	265	290	310	165	175	240	14	
7	270	295	0	(VA)	240	265	290	300	285	280	290	290	295	315	310	300	295	305	290	295	300	5	215	170	14
8	165	160	160	155	130	120	160	170	330	280	300	285	295	280	305	300	220	40	90	165	190	130	155	A	
9	165	155	145	150	160	145	135	80	0	265	0	320	305	275	230	240	245	245	225	175	180	115	300	255	A
10	205	180	225	260	270	250	270	265	305	295	305	290	310	300	300	295	300	300	290	265	40	85	105	270	14
11	70	155	175	(VA)	315	135	60	(VA)	295	105	55	35	35	25	35	40	35	40	20	25	55	45	35	50	3
12	30	25	120	160	175	165	165	70	(VA)	85	110	50	15	50	30	40	40	30	40	40	40	40	30	30	3
13	50	75	170	160	180	170	175	200	265	335	10	355	(VA)	275	300	280	290	140	80	110	170	160	160	155	9
14	155	155	135	160	155	140	130	130	70	350	320	15	5	255	295	260	230	85	50	80	175	165	160	170	8
15	160	165	150	130	160	145	150	125	135	305	265	285	275	295	290	250	290	305	290	265	280	275	305	190	14
16	150	170	165	160	150	165	155	150	325	325	355	335	340	345	5	325	330	0	45	100	160	165	160	160	8
17	160	165	160	165	160	150	160	115	60	330	290	315	310	290	(VA)	310	270	300	350	85	165	160	165	155	8
18	145	160	155	160	160	145	155	95	355	340	305	285	305	275	310	285	240	215	220	200	155	155	155	155	8
19	155	155	170	150	150	175	155	120	50	355	305	310	305	295	285	295	215	260	245	195	170	160	155	160	8
20	145	130	160	160	160	155	150	230	315	315	30	340	265	235	230	245	205	235	210	165	175	175	170	170	8
21	170	165	165	170	175	170	165	165	180	180	155	150	160	305	225	55	45	80	(VA)	230	(VA)	55	130	340	8
22	150	175	125	65	225	130	175	185	340	295	310	325	10	65	50	45	70	65	90	85	85	70	75	115	4
23	155	150	165	165	170	200	260	315	300	310	325	275	240	265	305	295	310	345	45	110	160	(VA)	175	155	(VA)
24	170	160	165	175	160	170	180	255	285	265	355	30	355	5	25	20	0	25	20	55	55	55	70	(VA)	2
25	80	65	75	175	50	165	260	290	50	65	75	65	75	15	45	15	25	25	35	45	70	60	55	65	3
26	65	145	140	160	165	175	215	270	220	60	60	30	90	(VA)	(VA)	110	80	75	140	165	170	165	165	8	
27	170	170	170	160	175	165	140	335	310	350	30	(VA)	65	(VA)	350	355	305	255	335	40	175	145	95	180	9
28	155	160	155	140	150	110	110	85	55	95	260	310	300	(VA)	165	185	225	235	255	155	165	170	215	145	8
29	170	160	170	115	125	(VA)	85	340	300	320	330	200	160	165	195	190	245	280	340	40	100	125	145	9	
30	(VA)	290	340	50	30	15	120	170	315	(VA)	5	5	130	255	335	295	315	295	125	170	165	170	170	165	9
PV	8	8	8	8	8	8	8	8	15	15	15	14	14	13	14	14	14	12	3	5	8	8	8	8	8

WIND DIRECTION (CC141)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 30 METERS

APR, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
* * *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SSE	SSE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
2	ESE	SSE	SSE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
4	NE	(VA)	ESE	NE	SE	SSW	(VA)	SE	(VA)	E	SSW	W	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
6	WNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
7	W	WNW	N	(VA)	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
10	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	ENE	SSE	SSE	(VA)	W	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
12	ENE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
13	NE	ENE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
18	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
26	ENE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	(VA)	WNW	WNW	NE	ENE	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAY, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC:18)
 DEGREES
 LEVEL HEIGHT : 30 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	170	170	165	155	155	85	40	75	75	75	80	60	95	75	(VA)	260	285	205	220	0	(VA)	160	165	185	9
2	160	165	85	75	140	95	115	50	350	290	(VA)	155	180	165	185	105	220	285	160	140	125	160	165	155	8
3	165	160	145	190	170	165	155	150	65	310	315	310	335	290	310	10	(VA)	115	165	155	170	170	130	90	8
4	260	165	190	190	155	160	170	150	(VA)	330	315	290	280	320	330	0	340	45	100	150	155	350	100	155	8
5	170	10	5	165	165	170	165	145	5	5	55	170	275	290	300	55	70	105	160	170	165	175	175	180	8
6	165	165	170	165	160	150	145	185	190	315	300	300	240	195	155	170	165	175	170	170	175	165	195	180	A
7	165	155	150	160	95	95	160	45	55	310	285	175	175	160	100	150	90	(VA)	245	320	50	80	130	155	A
8	150	155	170	140	150	125	110	150	145	190	300	(VA)	160	145	235	275	245	195	195	170	170	170	170	100	8
9	245	225	145	160	200	160	45	60	165	220	210	180	175	170	195	245	335	35	20	35	30	345	5	100	8
10	160	150	155	125	220	250	90	345	245	200	250	270	185	180	190	190	195	200	280	285	275	(VA)	155	155	9
11	(VA)	145	280	290	260	290	275	215	(VA)	345	305	240	205	135	135	200	195	250	5	100	110	170	275	(VA)	13
12	165	175	175	(VA)	240	275	175	175	200	220	195	195	220	215	260	230	20	35	65	90	175	105	60	110	9
13	120	45	145	160	165	160	175	170	310	335	325	350	325	305	260	(VA)	160	155	170	165	160	165	165	160	A
14	165	170	165	160	150	145	155	130	320	295	285	305	280	300	70	60	60	80	105	145	175	210	235	175	A
15	160	180	170	170	150	150	175	235	290	305	265	290	(VA)	310	85	195	270	265	160	165	220	200	120	80	9
16	160	185	170	170	175	165	155	135	(VA)	265	250	240	270	145	90	25	310	320	295	280	215	165	235	185	9
17	180	180	225	250	270	265	270	300	280	270	280	275	345	305	195	90	75	75	75	70	75	180	160	170	13
18	160	155	155	160	150	160	150	85	335	310	325	345	295	295	245	320	(VA)	120	285	5	120	175	165	160	A
19	165	170	160	165	160	155	145	125	30	310	305	290	295	240	275	335	350	50	50	85	100	160	170	165	8
20	155	170	170	160	155	155	150	110	(VA)	315	345	15	0	110	(VA)	295	325	345	25	55	115	165	170	170	A
21	160	155	160	170	165	155	140	100	290	305	315	315	260	250	320	305	30	(VA)	20	90	160	170	165	165	8
22	155	150	120	130	160	170	150	(VA)	305	130	10	0	(VA)	190	180	150	170	200	225	185	190	155	145	210	A
23	205	(VA)	205	190	180	190	180	195	195	185	175	185	195	180	175	185	190	185	165	140	155	185	185	195	9
24	180	180	175	180	180	185	185	185	190	195	195	190	210	250	255	240	230	175	140	215	215	195	210	210	10
25	215	215	200	200	(VA)	165	185	215	230	265	240	220	235	235	200	290	335	40	80	120	160	160	125	150	11
26	160	165	155	150	155	95	65	35	355	340	290	270	215	205	245	240	190	205	275	15	65	195	140	155	A
27	165	155	160	150	105	110	35	5	245	195	195	205	210	195	210	180	200	220	200	195	195	165	165	160	10
28	155	190	130	160	165	155	135	125	200	195	195	180	165	205	210	205	195	210	235	195	210	235	170	265	19
29	280	290	305	(VA)	130	235	275	290	(VA)	285	275	295	280	290	295	265	260	280	285	325	300	50	85	180	14
30	70	170	155	160	180	170	150	305	355	15	345	340	265	260	265	190	195	195	195	205	185	185	165	160	9
31	150	175	160	165	150	170	250	295	295	250	235	290	305	270	300	295	240	275	205	300	275	190	290	(VA)	14
PV	9	6	6	6	6	6	6	7	14	15	15	14	14	14	10	9	10	10	10	A	9	9	8	9	9

WIND DIRECTION (CCHIRI)

LEVEL HEIGHT 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	E	NE	ENE	ENE	ENE	E	ENE	E	ENE	W	WNW	SSW	SSW	SW	N	(VA)	SSE	SSE	S	ENE
2	SSE	E	SE	SE	SE	E	ESE	ENE	ENE	ENE	(VA)	SSE	SSE	SSE	S	SW	WNW	SSW	SSW	SE	SE	SSE	SSE	S	SSE
3	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	WNW	NW	NW	NW	NW	(VA)	N	ENE	ESE	ESE	SSE	SSE	N	E	SSE	SSE
4	W	SSE	S	S	SSE	SSE	SSE	SSE	(VA)	WNW	NW	WNW	W	NW	NW	NW	ENE	ESE	E	SSE	SSE	SSE	SSE	SSE	SSE
5	S	N	SSE	SSE	SSE	SSE	SSE	SSE	SSE	N	N	NW	NW	NW	NW	NE	ENE	ESE	ESE	SSE	SSE	SSE	SSE	SSE	SSE
6	SSE	SSE	SSE	SSE	SSE	E	SSE	NE	NE	S	NW	NW	NW	NW	SSE	S	(VA)	WSW	WSW	NW	NE	E	SE	SSE	SSE
7	SSE	SSE	SSE	SSE	SSE	E	SSE	NE	NE	S	NW	NW	NW	NW	SSE	S	(VA)	WSW	WSW	NW	NE	E	SE	SSE	SSE
8	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	ENE	S	WNW	(VA)	ENE	SE	SW	W	WSW	WSW	SSW	SSW	N	S	S	SSE	SSE
9	WSW	S	SSE	SSE	SSE	SE	ENE	ENE	ENE	S	WNW	(VA)	ENE	SE	SW	W	WSW	WSW	SSW	SSW	N	S	S	SSE	SSE
10	SSE	SSE	SSE	SSE	SSE	SE	ENE	ENE	ENE	S	WNW	(VA)	ENE	SE	SW	W	WSW	WSW	SSW	SSW	N	S	S	SSE	SSE
11	(VA)	SE	W	WNW	W	WNW	E	NW	WNW	SSW	WSW	W	S	S	S	S	SSW	SSW	W	WNW	W	(VA)	SSE	SSE	S
12	SSE	SSE	SSE	SSE	SSE	W	S	S	S	SSW	SSW	W	S	S	S	S	SSW	SSW	W	WNW	W	(VA)	SSE	SSE	S
13	ESE	NE	NE	SSE	SSE	W	S	S	S	SSW	SSW	W	S	S	S	S	SSW	SSW	W	WNW	W	(VA)	SSE	SSE	S
14	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	S	S	S	S	S	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SSE	SSE	SSE	SSE	SSE	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	NW	NW	NW	NW	(VA)	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	S	S	S	S	S	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	S	S	S	S	S	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SSE	SSE	SSE	SSE	SSE	E	ENE	NE	NE	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SSE	SSE	SSE	SSE	SSE	ESE	ENE	NE	NE	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	SSE	SSE	SSE	SSE	SSE	ESE	ENE	NE	NE	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	W	WNW	WNW	WNW	WNW	SE	SE	W	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ENE	S	SSE	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W
31	SSE	S	SSE	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W
PV	S	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

WIND DIRECTION (CC:11)
 DEGREES
 LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUN, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	175	170	165	160	165	155	125	80	10	305	315	280	150	185	210	305	65	75	200	160	155	165	170	170	9	
2	160	145	135	55	120	160	60	55	210	190	215	205	195	190	190	200	200	195	195	195	195	170	170	170	9	
3	165	170	175	155	170	170	165	190	190	180	180	185	180	200	195	185	195	165	195	200	200	200	175	165	170	9
4	175	175	175	170	165	165	195	305	200	195	185	195	200	190	210	225	235	220	215	200	180	175	185	180	10	
5	180	175	160	170	160	160	155	130	20	315	200	200	190	195	225	220	215	210	200	190	160	165	220	9		
6	215	200	165	170	185	225	205	230	240	230	240	245	245	250	240	245	300	310	310	320	315	35	95	12		
7	150	165	170	175	170	210	260	285	300	35	355	0	290	320	295	345	350	335	0	20	95	160	155	160	A	
8	160	175	165	165	170	165	155	(VA)	5	290	330	305	310	320	320	315	320	345	0	30	90	185	165	180	A	
9	175	175	175	175	165	155	135	95	335	285	290	305	305	300	335	60	335	10	10	35	105	150	170	175	9	
10	165	(VA)	155	165	165	160	125	125	40	305	320	350	225	195	185	175	195	200	215	195	205	155	175	160	A	
11	175	215	290	170	170	160	130	55	30	(VA)	190	185	185	195	195	215	245	225	205	190	175	180	185	195	10	
12	175	240	75	185	160	160	170	200	215	225	210	225	200	205	205	200	205	200	195	205	195	225	280	180	10	
13	160	160	195	195	155	150	85	5	350	290	195	185	195	190	190	200	220	195	210	210	210	175	160	190	9	
14	155	180	195	135	135	145	120	(VA)	295	295	235	245	240	230	235	245	240	230	270	310	295	295	245	270	12	
15	300	55	85	105	135	165	160	120	210	305	305	300	300	290	300	320	315	295	315	315	305	330	70	100	15	
16	160	180	260	190	170	180	210	295	305	15	285	285	295	310	285	295	300	0	345	25	155	165	165	165	14	
17	155	160	170	155	150	170	130	140	310	290	265	260	315	(VA)	315	335	340	335	(VA)	210	165	145	160	165	A	
18	160	150	150	160	160	165	145	110	300	305	300	300	315	(VA)	175	190	230	280	280	265	310	310	205	175	(VA)	
19	175	155	150	160	170	170	170	160	340	355	(VA)	300	275	175	190	205	265	255	290	315	200	165	165	170	9	
20	165	170	160	160	170	170	145	290	0	325	305	300	300	175	220	200	190	180	190	185	180	160	170	195	9	
21	260	190	165	175	160	175	160	125	15	355	335	265	205	230	230	275	245	275	265	215	165	165	185	175	A	
22	170	160	130	185	165	165	150	345	20	315	290	300	290	215	190	220	230	215	215	185	175	165	165	160	A	
23	160	175	180	180	175	170	170	165	175	190	175	185	205	215	215	210	220	210	205	195	160	245	290	165	9	
24	165	160	165	155	155	150	155	10	315	300	300	215	190	195	195	195	240	235	230	210	190	160	155	(VA)	9	
25	165	170	160	165	150	155	105	75	355	330	230	165	175	190	200	200	195	195	195	195	220	175	170	170	9	
26	170	165	165	170	175	160	135	55	280	200	195	195	210	225	220	220	235	225	210	190	180	185	200	190	10	
27	285	280	280	270	265	265	280	285	300	325	305	300	300	310	310	310	310	310	300	295	330	(VA)	165	165	14	
28	180	170	155	155	155	155	155	(VA)	280	(VA)	290	300	290	280	300	295	355	320	330	60	155	150	190	165	A	
29	155	160	165	150	150	155	120	75	10	335	295	300	305	295	280	300	285	300	300	(VA)	185	225	175	180	(VA)	
30	170	200	30	65	125	140	290	15	(VA)	260	300	290	345	315	315	325	330	310	330	5	315	(VA)	225	(VA)	15	
PV	8	9	8	8	8	8	7	7	1	15	15	14	(VA)	9	10	10	11	10	10	10	9	A	9	9	9	

ABOUT (21 JAN 81)

WIND DIRECTION (CCIR)

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

LEVEL HEIGHT 130 METERS

JUN, 1980

AGROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	SSE	SE	E	N	NW	NW	W	SSE	S	SSW	NW	ENE	ENE	SSW	SSE	SSE	SSE	S	S	S
2	SSE	SE	NE	ESE	SSE	ENE	ENE	NE	SSW	S	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	S	SSW	SSE	S	S	S	S
3	SSE	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
4	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
5	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
6	SW	SSW	SSE	S	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
7	SSE	SSE	S	S	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
8	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
9	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
10	SSE	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
11	S	SW	NW	S	S	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
12	S	SSW	ENE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
13	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
14	SSE	S	SSW	SE	SE	SE	ESE	(VA)	NW	NW	SW	WSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S
15	NW	NE	E	ESE	SE	SE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
16	SSE	S	W	S	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
17	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
19	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	NW	NW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S
20	SSE	S	SSE	SSE	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
21	W	S	SSE	S	SSE	S	SSE	SSE	SSE	SSE	NW	NW	NW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S
22	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	NW	NW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S
23	SSE	S	S	S	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
25	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
26	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
27	NW	W	W	W	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	S	S
28	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	S	S
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	S	S
30	S	SSW	NNE	ENE	SE	SE	NW	NNE	(VA)	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	S	S
PV	SSE	S	SSE	SSE	SSE	SSE	SE	SE	N	NW	NW	NW	(VA)	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUL, 1960
 AEROVIRONMENT INC.

WIND DIRECTION (CC116)
 DEGREES
 LEVEL HEIGHT 1 30 METERS

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	60	50	125	85	300	20	265	270	275	300	295	270	190	310	300	290	300	145	155	165	185	190	195	150	14
2	145	115	20	10	165	215	260	155	245	165	95	330	145	165	145	350	0	10	145	165	170	165	160	160	A
3	155	150	140	110	180	115	155	90	320	310	295	315	295	220	(VA)	275	205	210	260	225	190	350	75	130	A
4	115	120	75	75	80	75	85	70	40	265	305	255	295	305	265	335	300	305	225	245	165	160	165	155	A
5	145	130	105	105	155	160	145	155	335	300	305	310	305	365	250	260	260	260	260	225	160	165	170	250	A
6	145	155	160	160	155	160	135	55	40	0	315	(VA)	320	325	275	265	280	210	200	190	160	165	175	165	A
7	170	170	165	155	155	150	115	40	295	105	310	230	175	140	175	165	190	185	165	165	160	160	175	165	A
8	180	165	175	245	270	(VA)	155	245	330	245	265	300	280	180	215	250	270	305	280	185	170	165	160	150	(VA)
9	145	170	170	160	155	150	155	(VA)	300	305	315	320	320	(VA)	0	330	70	35	5	55	155	170	165	150	A
10	180	185	175	165	150	165	155	110	335	305	310	315	285	270	225	235	235	275	200	170	190	175	135	155	A
11	140	165	175	170	160	150	160	130	320	300	315	315	315	300	160	155	180	170	170	150	125	150	170	170	A
12	170	180	155	155	155	(VA)	165	190	170	230	280	315	150	190	185	190	285	320	345	200	160	160	185	305	A
13	45	310	180	170	155	175	165	170	195	195	210	340	280	255	295	250	155	(VA)	45	110	150	170	160	175	A
14	120	60	60	115	145	170	165	(VA)	250	290	300	235	230	220	250	255	250	245	215	190	125	260	245	12	
15	195	165	160	165	170	155	145	(VA)	305	300	305	295	305	310	295	285	295	300	305	315	305	265	270	175	A
16	180	165	160	160	165	160	145	95	320	300	310	335	285	295	275	320	320	0	80	105	155	170	165	185	A
17	170	170	160	160	160	160	145	120	320	320	330	320	305	300	265	250	280	290	310	320	315	(VA)	190	175	15
18	170	225	0	110	90	140	200	285	300	(VA)	(VA)	305	290	305	310	295	270	235	235	205	165	170	55	30	18
19	210	235	(VA)	160	135	175	130	30	325	310	310	305	275	245	260	270	305	325	315	330	315	305	275	(VA)	15
20	170	160	170	170	160	190	260	315	295	305	300	270	275	280	310	325	320	315	10	30	75	170	155	170	A
21	165	165	175	165	160	175	200	290	285	305	30	300	245	270	300	315	300	310	325	335	155	165	165	175	(VA)
22	165	170	160	160	145	155	140	85	10	310	300	295	300	295	315	330	335	335	290	255	200	165	160	145	A
23	175	150	190	150	130	170	160	50	(VA)	300	265	330	330	280	195	235	230	235	215	175	175	170	180	190	A
24	170	160	160	145	155	155	140	75	50	65	305	285	265	325	335	340	340	350	75	90	85	105	130	150	A
25	165	170	170	170	165	165	120	165	5	335	305	290	260	290	290	295	260	160	170	170	170	175	160	160	A
26	145	115	155	175	185	170	170	240	335	300	0	265	285	265	280	315	355	55	75	165	165	165	160	175	A
27	175	170	170	170	160	155	135	110	315	200	165	170	0	320	265	5	345	335	10	30	145	170	170	160	A
28	165	160	155	150	160	160	135	175	300	300	325	330	265	280	290	295	295	315	300	330	165	170	160	150	A
29	155	155	165	165	160	140	130	75	345	310	280	270	280	170	350	70	305	280	315	350	80	275	170	150	A
30	260	125	140	170	165	150	135	105	65	315	300	290	295	300	315	325	335	320	305	215	90	170	170	175	15
31	175	175	185	170	160	160	160	90	35	25	60	50	(VA)	320	(VA)	300	300	315	315	310	295	255	175	180	9

WIND DIRECTION (CC:11A)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

JUL. 1980

AEROVIRONMENT INC.

*
* FINAL DATA *
* 4 AB OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	NE	SE	E	WNW	NNE	W	W	WNW	WNW	W	S	NW	WNW	WNW	WNW	W	SSE	SSE	SSE	S	SSE	SSE	SSE	WNW
2	SE	ESE	NNE	N	SSE	SW	E	W	WNW	SSE	E	NW	SE	W	N	N	N	N	SSE	SSE	SSE	S	SSE	SSE	SSE
3	SSE	ESE	SE	ESE	E	ESE	E	ENE	NW	W	WNW	SW	(VA)	W	SSW	SSW	W	SSW	W	SSW	S	SSE	ENE	SSE	
4	ESE	ESE	ESE	ESE	E	ESE	E	ENE	W	WNW	W	WNW	W	WNW	WNW	WNW	W	WNW	W	WNW	SSE	SSE	SSE	ENE	
5	SE	SE	ESE	ESE	SSE	SSE	SE	SSE	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	SSE	SSE	W	SSE	
6	SE	SSE	SSE	SSE	SSE	SSE	SE	NE	N	NW	(VA)	NW	NW	N	W	W	W	W	W	W	SSE	SSE	W	SSE	
7	S	S	SSE	SSE	SSE	SSE	ESE	NE	WNW	ESE	NW	SW	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
8	S	S	S	W	W	(VA)	SSE	W	W	W	W	W	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	(VA)
9	SE	S	S	SSE	SSE	SSE	SSE	(VA)	WNW	NW	NW	NW	NW	(VA)	N	NW	ENE	NE	N	NE	SSE	SSE	SSE	SSE	(VA)
10	S	S	S	SSE	SSE	SSE	SSE	ESE	N	NW	NW	NW	W	W	W	W	W	W	W	W	SSE	SSE	SSE	SSE	(VA)
11	SE	SSE	S	S	SSE	SSE	SE	SE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	SSW	S	S	SSE	SSE	SSE	S	
12	S	S	S	SSE	SSE	(VA)	SSE	S	W	W	W	W	SSE	S	S	S	S	S	SSE	SSE	SSE	S	SSE	SSE	S
13	NE	NW	S	S	SSE	S	SSE	S	SSW	SSW	SSW	NW	W	W	W	W	W	W	W	W	SSE	SSE	SSE	S	
14	ESE	ENE	ENE	ESE	SE	S	SSE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	SSE	SSE	SSE	S	
15	SSW	SSE	SSE	SSE	S	SSE	(VA)	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	SSE	SSE	SSE	W	
16	S	SSE	SSE	SSE	SSE	SSE	SE	E	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
17	S	S	SSE	SSE	SSE	SSE	SE	ESE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
18	S	S	S	SSE	SSE	SSE	E	SE	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
19	SSW	SW	(VA)	SSE	SE	S	SE	NNE	NW	NW	NW	NW	W	W	W	W	W	W	W	W	SSE	SSE	SSE	W	
20	S	SSE	S	S	S	S	W	NW	WNW	NW	WNW	W	W	W	W	W	W	W	W	W	SSE	SSE	SSE	W	
21	SSE	SSE	S	SSE	SSE	SSE	S	W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	SSE	SSE	SSE	W	
22	SSE	S	SSE	SSE	SE	SSE	SE	E	N	NW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
23	S	SSE	S	SSE	SE	SSE	SE	NE	(VA)	WNW	W	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
24	S	SSE	SSE	SSE	SSE	SSE	SE	ESE	NE	ENE	W	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
25	SSE	S	S	SSE	SSE	SSE	ESE	S	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
26	SE	ESE	SSE	S	S	S	W	W	WNW	WNW	W	W	W	W	W	W	W	W	W	W	SSE	SSE	SSE	W	
27	S	S	S	SSE	SSE	SSE	S	ESE	NW	SSW	SSE	S	N	NW	N	N	N	N	N	N	SSE	SSE	SSE	W	
28	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
29	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
30	SW	SE	SE	SSE	SSE	SSE	SE	ESE	ENE	NW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
31	S	S	S	SSE	SSE	SSE	E	NE	NNE	ENE	NE	(VA)	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	W	
PV	SSE	SSE	SSE	SSE	SSE	SSE	SE	E	NW	NW	WNW	NW	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	SSE	

WIND DIRECTION (CC:1A)

LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

AUG. 1980

AEROENVIRONMENT INC.

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FINAL DATA

AS OF 31/HAR/A1

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRV
1	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
2	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
3	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
6	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
7	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
8	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
10	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
13	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
18	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
23	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
31	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

SEP, 1980

AERODIVIRONMENT INC.

WIND DIRECTION (CCIAI)

DEGREES

LEVEL HEIGHT 130 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/AI *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	175	175	170	170	175	165	165	140	240	355	295	270	300	300	295	320	330	5	75	105	170	160	170	175	9	
2	175	170	165	155	140	170	155	135	55	355	320	300	295	290	240	250	250	250	230	175	170	190	(VA)	(VA)	9	
3	(VA)	210	255	25	(VA)	165	175	185	295	320	300	255	310	265	305	300	305	300	305	305	(VA)	175	175	165	14	
4	165	165	165	160	160	160	160	155	65	290	300	295	260	290	315	325	285	265	340	125	170	160	160	165	8	
5	165	165	165	170	170	155	160	160	(VA)	310	350	355	320	315	340	325	325	320	355	80	165	165	160	165	8	
6	165	165	200	160	165	160	145	175	195	230	275	265	265	210	225	290	305	340	355	205	170	170	160	165	8	
7	185	195	165	155	185	170	165	160	285	290	285	115	155	0	10	355	(VA)	140	210	155	160	150	165	175	9	
8	275	(VA)	165	170	165	160	190	285	295	240	290	280	200	135	135	165	285	25	30	285	355	135	175	170	9	
9	165	165	190	190	285	155	170	130	110	110	110	75	50	45	50	55	30	320	290	285	260	295	280	(VA)	9	
10	280	310	25	10	0	335	220	90	340	55	295	290	240	240	165	185	140	80	230	225	195	165	170	210	11	
11	185	150	160	155	150	125	145	(VA)	265	205	220	240	240	240	245	275	275	295	260	225	195	165	170	210	11	
12	170	165	180	180	150	140	145	140	130	285	310	15	300	300	305	255	150	160	(VA)	120	150	170	190	170	12	
13	165	160	170	200	145	165	150	165	(VA)	335	(VA)	200	200	195	200	205	215	205	195	170	170	170	170	175	9	
14	175	155	170	155	135	120	150	150	135	235	190	200	290	310	310	320	310	325	345	170	170	165	170	140	8	
15	165	150	140	165	170	160	165	115	355	0	280	300	305	295	270	275	260	240	225	215	205	225	145	145	8	
16	170	165	260	140	170	180	175	135	350	290	295	290	290	285	285	260	285	290	290	265	280	265	215	210	14	
17	175	170	170	170	170	160	175	165	100	315	270	280	275	265	275	290	280	290	290	225	175	175	175	175	9	
18	170	160	160	145	155	155	155	140	80	20	310	(VA)	300	275	200	200	205	195	185	190	185	190	195	190	9	
19	185	190	195	195	195	195	190	195	200	210	225	245	245	240	240	270	335	310	(VA)	325	5	15	275	45	10	
20	105	345	65	165	165	165	155	140	115	335	310	350	305	290	295	295	300	265	255	215	170	170	170	165	8	
21	150	160	130	80	110	70	150	240	90	300	305	305	300	300	305	305	285	305	325	335	325	(VA)	145	290	15	
22	290	310	335	290	265	250	255	260	305	10	40	345	270	250	310	290	305	325	20	125	165	160	165	165	15	
23	165	155	160	155	150	145	150	145	60	315	295	295	275	290	300	240	350	10	40	145	170	185	(VA)	170	8	
24	175	165	170	175	170	155	155	125	100	80	285	290	285	300	300	285	295	45	90	150	165	155	160	160	8	
25	160	155	165	160	150	160	175	195	215	305	315	290	295	290	275	300	315	330	5	175	165	160	155	160	8	
26	165	165	165	160	150	145	165	155	20	315	315	290	305	310	290	295	345	15	145	160	165	175	170	165	8	
27	165	155	155	150	145	150	80	175	185	335	340	320	305	280	325	0	340	90	170	170	170	170	165	155	8	
28	160	160	160	155	140	125	165	100	95	355	325	305	300	315	290	265	270	215	215	170	165	170	170	165	155	8
29	175	175	170	160	125	170	160	130	95	20	325	310	295	270	275	345	325	340	50	145	170	165	165	165	155	8
30	155	160	155	145	145	160	145	145	130	0	345	305	295	285	265	350	0	345	100	175	145	175	175	170	155	8
PV	8	9	8	8	8	8	8	8	5	15	14	14	14	14	14	14	15	15	11	9	9	9	8	9	8	

WIND DIRECTION (C111A)

LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139
HOPANZA, UTAH

SITE 6

SEP, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	S	S	S	S	SSE	SSE	SE	WSW	N	WNW	W	WNW	WNW	WNW	WNW	WNW	N	ENE	ESE	S	SSE	S	S	S
2	(VA)	SSW	WSW	NNE	(VA)	SSE	SSE	SE	ENE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
6	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
8	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
10	W	NW	NNE	N	NW	SSE	SSE	SE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	N	ENE	S	S	S	(VA)	S	S
11	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
12	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
13	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
20	ESE	NW	ENE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
22	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	ENE	S	S	S	(VA)	S	S
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
30	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	S
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	WNW	WSW	WNW	WSW	WSW	WSW	WSW	N	ENE	S	S	S	(VA)	S	SSE

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 OCT, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC) (18)
 DEGREES
 LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	165	145	125	155	150	125	120	75	20	285	305	330	205	285	260	310	40	105	110	155	(VA)	135	5	7
2	130	95	135	340	155	105	95	90	65	65	65	50	75	10	90	310	170	45	80	170	165	170	165	170	5
3	165	140	145	145	165	155	130	170	80	315	320	310	335	355	315	295	(VA)	125	135	160	170	175	175	170	7
4	170	160	145	150	155	125	145	165	90	325	315	300	280	295	305	335	225	130	155	160	160	160	170	165	A
5	165	165	165	155	145	145	150	130	65	285	305	285	310	225	280	275	315	300	20	155	165	170	165	165	A
6	185	165	165	170	160	160	155	140	15	350	325	340	325	335	340	275	250	270	220	165	165	160	155	155	A
7	155	155	145	150	155	160	120	160	110	330	315	315	310	305	310	330	310	315	110	175	170	165	165	165	A
8	155	160	150	150	155	145	150	130	95	(VA)	315	310	315	290	310	55	70	45	115	175	160	170	170	170	8
9	170	160	140	135	130	140	150	150	75	295	315	295	270	305	335	335	320	300	160	145	135	165	175	165	A
10	160	190	300	200	150	150	140	90	(VA)	10	60	50	60	10	(VA)	310	325	315	10	155	170	180	165	165	A
11	165	160	145	155	160	150	150	160	120	335	0	300	290	280	275	260	265	195	180	120	185	200	260	0	A
12	15	335	50	70	115	80	95	30	0	250	280	205	295	285	200	170	140	160	180	265	255	275	170	145	A
13	140	235	280	20	130	70	65	60	60	300	290	260	305	300	(VA)	150	125	145	170	215	300	335	210	170	14
14	150	155	160	165	200	160	175	180	(VA)	340	65	300	65	55	95	40	75	155	155	260	335	65	225	130	A
15	145	120	170	45	155	180	185	160	95	170	155	160	160	200	155	175	150	170	125	65	70	45	65	15	A
16	320	355	110	275	275	265	335	50	60	65	80	60	30	20	35	10	260	220	260	245	270	275	275	240	13
17	290	305	0	165	165	175	180	180	220	245	255	270	265	285	245	270	225	270	275	245	240	200	145	170	13
18	170	165	175	180	175	175	175	175	170	175	(VA)	(VA)	270	180	(VA)	320	255	160	110	175	175	160	165	160	17
19	155	135	135	145	150	150	155	145	95	335	270	295	305	325	305	320	305	325	(VA)	170	170	160	160	155	17
20	160	155	155	155	150	145	165	165	140	(VA)	320	275	280	315	285	300	250	0	100	175	155	150	155	160	17
21	155	160	150	150	165	135	110	165	135	40	350	305	295	255	295	245	230	20	155	175	190	175	175	175	A
22	175	175	120	160	155	155	195	195	220	245	270	270	280	245	290	295	295	295	325	340	0	25	15	20	14
23	80	165	170	135	40	75	45	320	65	80	60	20	15	135	190	(VA)	320	10	90	165	165	160	155	155	A
24	155	150	155	160	125	145	150	150	150	(VA)	350	325	355	300	280	320	315	295	255	175	175	165	170	165	A
25	160	155	160	155	170	170	155	115	75	305	290	310	320	295	330	315	70	(VA)	165	160	170	165	150	150	A
26	140	155	165	165	110	90	80	160	105	(VA)	305	290	295	285	275	265	(VA)	75	65	330	310	270	260	175	14
27	145	160	165	155	170	200	200	150	(VA)	55	75	75	70	65	60	55	60	55	60	55	35	40	25	35	A
28	70	65	215	310	5	170	250	(VA)	135	275	320	325	(VA)	45	350	25	70	120	155	150	165	165	160	160	A
29	150	155	140	160	140	135	90	160	120	65	335	10	305	280	270	330	340	320	90	175	175	170	165	160	A
30	140	145	140	135	155	150	145	110	110	295	320	335	310	240	(VA)	300	275	335	185	180	170	165	170	165	7
31	160	160	95	160	155	165	150	150	55	(VA)	290	310	310	300	315	335	315	230	140	170	170	165	170	175	A
PV	6	A	6	8	A	A	8	8	5	16	15	14	15	14	14	14	15	14	A	A	8	9	8	A	A

WIND DIRECTION (CC118)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

OCT. 1980

AERODIVISION INC.

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* * * * *
* * * * * FINAL DATA
* * * * * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SSE	SSE	SSE	SE	EBE	ENE	MNE	MNW	NW	MNW	SSW	MNW	W	NW	NE	ESE	ESE	SSE	(VA)	SE	N	SE
2	SE	SE	SE	SSE	SSE	SSE	E	E	E	ENE	ENE	NE	ENE	N	E	NW	S	NE	E	ESE	SSE	S	SSE	S	E
3	SSE	SE	SE	SSE	SSE	SSE	SE	SE	E	NW	NW	NW	MNW	N	NW	(VA)	(VA)	SE	SE	SSE	S	S	S	S	SE
4	S	SSE	SSE	SSE	SSE	SSE	SE	SE	E	MNW	NW	MNW	M	SW	W	M	MNW	MNE	MNE	SSE	SSE	S	SSE	S	SE
5	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	MNW	NW	MNW	NW	SW	W	M	MNW	W	SW	SSE	SSE	S	SSE	S	SE
6	S	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	N	NW	MNW	NW	MNW	W	M	M	W	SW	SSE	SSE	S	SSE	S	SE
7	SSE	SSE	SE	SSE	SSE	SSE	SE	SE	ESE	MNW	NW	MNW	NW	MNW	NW	M	M	W	SW	SSE	SSE	S	SSE	S	SE
8	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	E	(VA)	NW	NW	MNW	MNW	W	W	W	NE	ESE	S	SSE	S	S	S	SE
9	S	SSE	SE	SE	SE	SE	SE	SSE	ENE	MNW	MNW	MNW	M	M	MNW	MNW	M	MNW	SSE	SE	SE	S	S	S	SE
10	SSE	S	MNW	SSE	SSE	SSE	SE	E	(VA)	N	ENE	NE	ENE	N	(VA)	NW	NW	MNW	SSE	SE	SE	S	S	S	SE
11	SSE	SSE	SE	SSE	SSE	SSE	SE	SSE	ESE	MNW	N	MNW	MNW	W	W	W	W	W	ESE	SE	SE	S	S	S	SE
12	MNE	MNW	NE	ENE	ESE	E	E	MNE	N	MNW	M	SSW	MNW	MNW	SSW	S	SE	SSE	S	W	MNW	MNW	SSW	S	MNW
13	SE	SW	W	MNE	SE	ENE	ENE	ENE	ENE	MNW	MNW	W	MNW	(VA)	(VA)	SSE	SE	SE	S	SW	MNW	MNW	SSW	S	MNW
14	SSE	SSE	SSE	SSE	SSE	SSE	S	S	(VA)	MNW	ENE	NE	ENE	ENE	E	NE	ENE	SSE	SSE	W	MNW	ENE	SW	SE	SSE
15	SE	ESE	S	NE	SSE	S	S	SSE	E	S	SSE	SSE	SSE	SSE	S	SSE	S	S	SE	ENE	ENE	NE	ENE	MNE	SSE
16	MW	N	ESE	W	M	MNW	NE	ENE	E	E	ENE	ENE	NE	NE	W	W	W	W	W	W	W	W	W	W	W
17	MNW	MW	N	SSE	SSE	S	S	S	SW	SW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	S	SSE	S	S	S	S	S	S	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
19	SSE	SE	SE	SE	SSE	SSE	SE	SE	E	MNW	W	MNW	M	M	M	M	M	M	(VA)	ESE	S	S	SSE	SSE	S
20	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	(VA)	NW	W	W	W	W	W	W	W	(VA)	S	S	SSE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	SE	NE	N	M	M	M	M	M	M	M	E	S	SSE	SSE	SSE	SSE	SSE
22	S	SSE	SSE	SSE	SSE	SSE	SE	SW	SW	SW	W	W	W	W	W	W	W	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW
23	E	SSE	S	SE	NE	ENE	NE	NW	E	E	ENE	NNE	NNE	SE	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	(VA)	M	NW	N	M	M	M	M	M	W	W	W	W	W	W	W
25	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	M	MNW	M	M	M	M	M	M	M	W	W	W	W	W	W	W
26	SE	SSE	SSE	SSE	SSE	SSE	E	E	SSE	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
27	SE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSE	(VA)	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
28	ENE	E	SW	MW	N	S	MNW	(VA)	SE	W	N	NW	(VA)	NE	N	NNE	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ENE	MNW	N	NW	W	W	W	W	W	W	W	W	W	W	W	W
30	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	MNW	MNW	M	(VA)	MNW	W	MNW	W	W	W	W	W	W	W	W	W
31	SSE	SSE	E	SSE	SSE	SSE	SE	SSE	NE	(VA)	MNW	NW	MW	MNW	NW	NW	NW	SW	S	S	S	S	S	S	S
PV	SSE	SSE	SSE	SSE	SSE	SSE	E	MNW	M	MNW	MW	MNW	MW	MW	MW	MW	MW	MW	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BUNARIZA, UTAH
 SITE 6
 NOV, 1980
 AEROENVIRONMENT INC.

WIND DIRECTION (CCIR)
 DEGREES
 LEVEL HEIGHT : 30 METERS

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 * * * * *
 * * * * * FINAL DATA
 * * * * * AS OF 31/MAR/81
 * * * * *
 * * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	150	150	160	155	120	160	165	100	40	315	320	320	275	(VA)	245	295	55	130	170	165	165	150	115	A
2	150	165	145	145	45	90	150	120	220	265	210	355	40	275	280	345	320	130	160	170	140	160	160	165	A
3	130	170	145	150	140	195	105	90	135	45	40	(VA)	305	280	235	295	315	55	125	175	170	185	170	170	A
4	165	155	150	115	135	125	125	125	80	335	310	295	285	290	320	30	5	350	90	165	175	170	165	155	A
5	160	160	165	150	145	140	150	155	140	15	330	335	310	305	310	310	285	270	200	170	170	170	170	165	A
6	165	155	165	165	140	85	110	150	85	195	295	330	335	285	270	315	265	350	175	220	245	170	170	175	A
7	255	(VA)	120	145	105	125	100	70	140	(VA)	305	330	265	280	245	235	230	180	175	165	110	30	265	270	7
8	290	260	250	230	230	240	230	225	235	285	305	310	300	300	300	305	305	285	220	180	175	175	160	165	14
9	145	150	145	145	165	145	155	160	110	40	355	325	285	290	300	285	(VA)	70	115	120	155	145	150	155	7
10	135	(VA)	155	150	130	115	80	125	90	(VA)	305	320	280	290	295	290	300	(VA)	165	160	160	165	155	150	A
11	130	145	150	160	120	70	115	160	85	5	350	355	285	290	(VA)	180	340	170	195	185	200	200	(VA)	300	9
12	310	60	160	175	170	185	185	175	110	(VA)	205	195	195	210	240	175	180	280	300	(VA)	155	180	210	40	9
13	170	105	175	100	75	80	85	90	80	80	85	90	80	85	70	75	85	70	70	80	85	90	85	85	5
14	85	90	95	110	100	115	90	85	95	90	85	60	55	75	35	120	45	50	65	90	100	180	155	155	5
15	160	175	175	170	160	170	165	165	160	275	290	330	320	350	45	50	65	75	45	50	50	95	75	75	(VA)
16	80	55	315	265	200	200	145	260	290	295	55	95	85	245	275	270	315	340	70	100	160	125	315	345	13
17	260	180	170	185	175	170	165	150	145	115	175	305	310	275	235	265	150	30	130	175	165	165	150	155	A
18	155	150	160	170	165	135	135	170	160	(VA)	295	290	290	280	330	305	350	50	170	165	165	170	165	160	A
19	160	165	160	160	145	95	165	115	115	(VA)	295	305	310	295	275	260	280	10	105	180	180	170	170	165	8
20	170	135	155	160	135	135	125	150	165	(VA)	315	310	285	315	330	285	280	55	175	170	160	150	150	155	A
21	150	130	160	110	155	140	105	85	180	225	260	310	300	290	285	275	330	(VA)	170	175	155	185	90	125	A
22	155	160	(VA)	90	175	105	45	45	65	115	70	15	0	20	315	270	155	160	160	150	160	170	180	165	A
23	155	160	165	150	165	160	155	155	160	200	315	315	310	350	325	340	15	20	175	215	170	195	350	10	
24	(VA)	355	0	50	25	345	335	290	285	290	265	275	285	200	170	255	335	60	55	(VA)	(VA)	355	60	150	(VA)
25	(VA)	160	155	190	150	200	255	(VA)	175	225	260	290	285	300	270	285	180	170	155	155	190	160	(VA)	50	9
26	(VA)	160	175	135	150	150	165	160	135	170	255	300	295	280	275	270	150	130	155	190	170	170	165	155	A
27	140	140	153	115	110	165	95	165	150	240	330	315	15	25	335	240	285	275	260	240	165	160	170	140	A
28	140	170	165	155	105	(VA)	150	25	190	50	290	280	300	280	295	265	255	175	180	285	185	170	145	9	
29	140	15	65	165	120	155	130	125	130	(VA)	280	315	260	285	320	225	175	145	20	(VA)	150	40	75	(VA)	7
30	75	150	195	110	20	35	20	20	30	75	290	275	285	300	(VA)	235	235	250	225	100	270	230	205	265	11
PV	8	8	8	6	7	7	8	6	7	3	14	15	14	14	(VA)	14	14	14	14	9	9	9	9	8	8

WIND DIRECTION (CC118)

WHITE RIVER SHALE PROJECT, M139
HONANZA, UTAH
SITE 6

LEVEL HEIGHT : 30 METERS

NOV, 1980

AEROSPIRIMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	ESE	SSE	SSE	E	NE	NW	NW	NW	W	(VA)	WSW	NNW	NE	SE	S	SSE	SSE	SSE	ESE	SSE
2	SSE	SSE	SSE	SE	SE	NE	E	SSE	ESE	SE	W	SSW	N	NE	W	W	NNW	NW	SE	SSE	S	SSE	SSE	SSE	SSE
3	SE	S	SE	SSE	SE	SE	ESE	E	SE	NE	NW	(VA)	NW	W	SW	WNW	NW	NE	SE	S	S	S	S	S	SE
4	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	E	NNW	NW	NNW	NW	NW	NNE	N	N	N	E	SSE	S	S	SSE	SSE	SSE
5	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	NNE	NNW	NNW	NW	NW	NW	NNW	N	N	E	SSE	S	S	SSE	SSE	SSE
6	SSE	SSE	SSE	SSE	SE	E	ESE	SSE	E	SSW	NNW	NNW	NW	NW	W	NW	N	N	S	SSE	S	S	S	S	SSE
7	WSW	(VA)	SSE	SE	ESE	SE	E	ESE	SE	(VA)	NW	NNW	NW	W	WSW	SW	SW	S	S	SSE	ESE	NNE	S	S	SSE
8	WSW	W	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
9	SE	SSE	SE	SE	SE	SE	SSE	SSE	ESE	NE	N	NW	NNW	NNW	NNW	NNW	NNW	NNW	SW	S	S	SSE	SSE	SSE	NNW
10	SE	(VA)	SSE	SSE	ESE	ESE	E	SE	E	(VA)	NW	NW	W	NNW	NNW	NNW	(VA)	ESE	ESE	SSE	SE	SSE	SSE	SSE	SSE
11	SE	SE	SSE	ENE	ESE	ENE	ESE	ESE	E	N	N	NW	NNW	NNW	(VA)	S	NNW	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	SSE
12	NW	ENE	SSE	S	S	S	S	S	ESE	(VA)	SSW	SSW	SSW	SSW	SSW	S	S	NW	(VA)	SSE	SSE	SSE	SSE	SSE	SSE
13	S	ESE	S	E	ENE	E	E	E	E	E	E	E	E	E	ENE	ENE	E	E	ENE	E	E	E	E	E	E
14	E	E	E	ESE	E	ESE	E	E	E	E	E	ENF	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
15	SSE	S	S	S	SSE	S	SSE	SSE	W	NNW	NNW	NNW	NNW	W	W	W	NNW	NNW	ENE	E	SSE	SSE	SSE	SSE	SSE
16	E	NE	NNW	W	SSW	SSW	SE	W	NNW	NNW	NE	E	E	W	W	W	NNW	NNW	ENE	E	SSE	SSE	SSE	SSE	SSE
17	W	S	S	S	S	S	SSE	SSE	SE	ESE	S	NW	NW	N	SW	W	SSE	NNE	SE	S	SSE	SSE	SSE	SSE	SSE
18	SSE	SSE	SSE	SSE	SE	SE	SE	S	SSE	(VA)	WNW	WNW	WNW	W	NNW	NNW	N	NE	S	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SE	E	SSE	ESE	ESE	(VA)	WNW	NW	NW	NNW	W	W	N	NE	S	SSE	SSE	SSE	SSE	SSE	SSE
20	S	SE	SSE	SSE	SE	SE	SE	SSE	SSE	(VA)	NW	NW	NNW	NNW	NNW	W	W	N	ESE	S	SSE	SSE	SSE	SSE	SSE
21	SSE	SE	SSE	ESE	SSE	SE	ESE	E	S	SW	W	NW	NNW	NNW	NNW	W	W	N	S	SSE	SSE	SSE	SSE	SSE	SSE
22	SSE	SSE	SE	(VA)	E	S	ESE	NE	ENE	ESE	W	NNW	NNW	NNW	NNW	W	W	N	S	SSE	SSE	SSE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNW	NNW	NNW	N	NNW	NNW	NNE	NNE	S	SSE	SSE	SSE	SSE	SSE	SSE
24	(VA)	N	N	NE	NNE	NNW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	W	W	W	(VA)	(VA)	N	N	N	SSE
25	(VA)	SSE	SSE	S	SSE	SSW	SSW	(VA)	S	SW	W	NNW	NNW	NNW	W	NNW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	(VA)	SSE	S	SE	SSE	SSE	SSE	SSE	SE	S	WSW	NNW	NNW	W	W	W	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE
27	SE	SE	SSE	ESE	ESE	ESE	ESE	ESE	SSE	WSW	NNW	NNW	NNW	W	W	W	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE
28	SE	S	SSE	ESE	ESE	(VA)	SSE	NNE	S	NE	NNW	NNW	NNW	W	WSW	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	SSE
29	SE	NNE	ENE	SSE	ESE	SSE	SE	SE	(VA)	W	NNW	NNW	NNW	W	WSW	WSW	W	W	W	(VA)	SSE	NE	ENE	SSE	SSE
30	ENE	SSE	SSE	SSE	ENE	NE	NNE	NNE	ENE	ENE	W	NNW	NNW	NNW	(VA)	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSE
PV	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	NE	NNW	NNW	NNW	NNW	(VA)	NNW	NNW	NNW	NE	SSE	S	SSE	S	SSE	SSE

ABOUT (29 JAN 81)

WIND DIRECTION (CC110)
 DEGREES
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 DEC, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	265	280	275	245	310	190	245	260	150	280	(VA)	285	280	255	240	220	230	275	155	165	160	150	155	135	13
2	125	145	145	65	140	175	110	120	215	5	265	275	285	240	275	275	265	135	125	95	90	110	220	315	7
3	35	10	165	90	70	(VA)	45	285	245	320	245	(VA)	340	310	320	285	195	190	200	205	205	215	240	40	(VA)
4	80	95	120	35	155	190	100	200	185	200	200	(VA)	200	210	210	220	210	205	260	175	195	190	200	170	10
5	190	185	175	210	115	185	125	155	20	350	345	280	290	280	(VA)	250	295	265	310	50	145	145	115	35	(VA)
6	155	45	(VA)	180	155	265	190	280	290	295	(VA)	155	130	45	0	60	115	190	170	(VA)	240	340	350	40	9
7	200	20	235	200	275	135	115	50	45	45	10	50	20	15	40	55	(VA)	50	70	70	90	65	60	100	3
8	110	90	80	35	90	350	70	115	350	20	70	310	325	325	325	300	265	255	170	170	170	165	155	155	9
9	155	155	145	140	25	140	240	350	290	280	280	295	290	265	270	245	160	130	165	165	155	145	160	160	4
10	155	150	150	165	155	165	125	140	150	150	(VA)	340	340	295	275	315	355	310	(VA)	180	175	155	155	160	8
11	145	65	65	165	160	150	165	185	165	190	265	290	285	270	290	285	265	290	160	165	170	165	160	165	8
12	145	155	170	145	145	110	160	155	110	65	280	295	345	300	270	275	300	40	205	165	155	175	155	165	8
13	170	165	145	140	145	130	155	150	155	120	305	265	310	310	300	295	320	80	170	165	145	170	165	170	8
14	165	165	135	155	95	155	170	140	55	125	30	60	295	295	290	320	330	195	165	160	160	160	170	145	8
15	140	160	90	(VA)	120	100	125	140	105	100	330	285	280	270	240	0	35	220	285	205	170	165	150	95	8
16	150	160	155	105	140	150	190	80	95	140	310	245	265	265	275	275	275	250	190	165	175	180	155	150	8
17	90	170	135	90	120	155	160	145	150	100	245	320	5	295	275	270	265	260	155	115	160	185	155	145	8
18	155	135	85	135	155	145	85	90	115	30	330	320	290	280	280	275	270	280	165	170	155	110	175	170	8
19	170	165	160	165	145	155	135	160	165	215	290	0	340	280	280	285	275	270	350	155	175	160	160	170	8
20	160	140	155	145	155	155	145	105	95	125	350	275	280	290	295	285	295	230	175	170	165	165	150	170	8
21	165	165	135	175	160	145	115	110	115	(VA)	320	280	275	295	280	290	290	120	165	170	25	(VA)	350	(VA)	8
22	55	140	125	100	135	(VA)	335	95	55	45	35	30	(VA)	225	255	215	180	210	135	5	245	250	270	195	8
23	130	100	160	195	235	175	160	150	125	180	230	270	255	295	300	265	(VA)	115	170	165	170	170	160	160	8
24	165	160	145	145	110	150	130	140	145	80	300	315	285	280	280	270	275	245	170	160	165	140	75	160	7
25	150	220	55	145	145	115	155	65	80	70	25	260	285	275	270	255	290	205	165	195	195	160	135	140	7
26	145	155	100	135	60	175	155	145	165	130	345	340	305	220	330	315	355	300	170	170	175	170	165	160	7
27	165	145	150	165	145	140	165	155	160	120	315	40	315	335	305	255	275	290	95	175	170	165	175	170	8
28	170	120	170	90	160	70	55	160	185	110	260	330	265	275	275	275	295	(VA)	170	170	140	165	170	160	9
29	160	165	165	160	150	155	135	120	120	120	75	300	290	305	315	275	280	(VA)	170	170	165	145	150	170	8
30	130	160	160	160	145	160	130	165	155	60	(VA)	340	310	295	275	270	270	325	135	165	175	175	165	160	8
31	160	125	150	120	160	145	115	120	70	(VA)	345	280	290	270	270	265	275	245	135	165	145	140	155	165	8

ABOUT (21 JAN 81)

WIND DIRECTION (CC:18)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE # 6

DEC. 1980

AEROENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	WSW	NW	S	WSW	W	SSE	W	(VA)	WNW	W	WSW	SW	SW	W	SE	W	SSE	SSE	SSE	SE	SE	W
2	SE	SE	SE	ESE	SE	S	ESE	ESE	SW	N	NW	WNW	W	WNW	SW	W	SE	W	SE	SSE	SSE	SSE	SE	SE	W
3	NE	N	SSE	E	ENE	(VA)	WSW	NW	WSW	N	WSW	(VA)	NW	NW	NW	WSW	SW	SW	SSW	SSW	SSW	SW	SW	NE	(VA)
4	E	E	ESE	NE	SSE	S	E	SSW	S	SSW	SSW	(VA)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SSE	NE	(VA)	S	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	S
7	SSW	NNE	SW	SSW	W	SE	ESE	NE	NE	N	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
8	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
9	SSE	SSE	SE	SE	NNE	S	WSW	N	WNW	W	W	WNW	W	WSW	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE
11	SE	ENE	ENE	SSE	SSE	SSE	SSE	SSE	SSE	S	W	WNW	WNW	W	WNW	W	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	SSE
12	SE	SSE	S	SE	NE	ESE	SSE	SSE	ESE	ENE	W	WNW	WNW	W	WNW	NE	NE	NE	NE	SSE	SSE	SSE	SSE	SSE	SSE
13	S	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	NW	WNW	NW	WNW	W	WNW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SE	SSE	E	SSE	S	SE	NE	SE	NNE	ENE	NW	WNW	NW	NW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SE	SSE	E	(VA)	ESE	E	SE	SE	E	ENE	WNW	W	W	WSW	N	NE	SW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	ESE	SE	SSE	SE	SE	SE	SE	NW	WSW	WNW	W	W	WSW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
17	E	S	SE	E	ESE	SSE	SE	SE	ESE	E	WSW	NW	N	WNW	W	W	W	W	W	ESE	SSE	SSE	SSE	SSE	SSE
18	SSE	SE	E	SE	SSE	SE	E	E	ESE	NNE	NW	NW	N	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
19	S	SSE	SSE	SSE	SE	SSE	SE	SE	SSE	SSE	WNW	W	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SE	SSE	SE	SSE	SSE	SE	SE	SE	SE	N	W	WNW	WNW	W	WNW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SE	S	SSE	SE	ESE	ESE	ESE	(VA)	NW	W	W	WNW	W	WNW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
22	NE	SE	SE	E	(VA)	NW	E	NE	NE	NE	NE	NNE	(VA)	SW	SW	SW	SW	SW	SE	ESE	NNE	(VA)	N	(VA)	NE
23	SE	E	SSE	S	SW	S	SSE	SSE	SE	S	SW	W	WSW	WNW	W	(VA)	ESE	SE	SE	SSE	S	S	S	S	NE
24	SSE	SSE	SE	SE	ESE	SSE	SE	SE	SE	E	WNW	NW	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SW	NE	SE	ESE	SSE	ENE	E	ENE	NNE	W	WNW	W	W	WSW	WNW	WSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	SE	SSE	E	SE	ENE	S	SSE	SE	SSE	SE	WNW	NW	NW	SW	NW	N	WNW	S	S	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SE	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	NE	NE	NW	WNW	W	WNW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
28	S	ESE	S	E	SSE	ENE	NE	SSE	S	ESE	W	WNW	WNW	W	WNW	(VA)	W	W	W	SSE	SSE	SSE	SSE	SSE	S
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	WNW	WNW	W	WNW	(VA)	W	W	SSE	SSE	SSE	SSE	SSE	SSE
30	SE	SSE	SSE	SSE	SE	SSE	SE	SSE	SE	SSE	W	W	WNW	WNW	W	WNW	(VA)	W	W	SSE	SSE	SSE	SSE	SSE	SSE
31	SSE	SE	SSE	ESE	SSE	SE	ESE	ESE	ENE	(VA)	WNW	W	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SSE	ESE	NW	WNW	WNW	W	WNW	W	WNW	W	W	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROVIRONMENT INC.

TEMPERATURE (CC1031)
 OFGREFS CELSIUS
 LEVEL HEIGHT 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-7	-7	-7	-6	-6	-6	-6	-9	-8	-7	-6	-5	-5	-4	-4	-5	-6	-6	-6	-8	-8	-7	-7	-7	-7	-8
2	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-5	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7
3	-8	-8	-8	-9	-9	-10	-10	-11	-11	-10	-8	-7	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-8
4	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-8
5	-9	-9	-9	-10	-10	-11	-11	-11	-11	-10	-8	-8	-8	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-8
6	-12	-11	-11	-11	-10	-11	-12	-10	-9	-5	-2	0	2	0	-1	-2	-3	-3	-3	-9	-9	-9	-9	-9	-9	-9
7	-8	-8	-8	-9	-10	-9	-9	-10	-10	-9	-7	-5	-3	-1	0	-1	-1	-1	-4	-5	-6	-6	-6	-6	-6	-6
8	-6	-6	-6	-7	-6	-6	-7	-7	-7	-5	-4	-3	-1	0	1	2	1	2	3	3	3	3	3	3	3	3
9	3	2	2	2	2	2	3	4	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10	5	5	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
11	-9	-11	-12	-13	-13	-14	-14	-15	-15	-13	-11	-9	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
12	-7	-6	-6	-7	-6	-7	-7	-7	-7	-7	-4	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
13	-8	-8	-9	-9	-9	-9	-9	-9	-8	-7	-4	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
14	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
15	1	1	1	0	0	-1	-1	-1	-1	-1	0	1	1	2	3	4	3	2	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	-1	-1	-1	-1	-1	-1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	-1	-1	-1	-1	-1	-1	0	0	0	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
19	-3	-4	-4	-4	-5	-5	-5	-5	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
20	-6	-8	-9	-8	-8	-8	-8	-7	-8	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
22	-5	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-4	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
23	-8	-8	-9	-9	-10	-10	-10	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
24	-7	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
25	-7	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-3	-2	-1	0	0	0	0	0	0	0	0	0	0
26	-8	-8	-8	-9	-9	-9	-10	-11	-10	-9	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
27	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
28	-6	-6	-7	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
29	-8	-9	-9	-9	-9	-9	-9	-9	-8	-7	-6	-5	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
30	-10	-12	-13	-15	-15	-16	-17	-18	-18	-16	-14	-13	-11	-10	-9	-9	-9	-10	-10	-10	-10	-10	-10	-10	-10	-10
31	-20	-20	-21	-21	-22	-23	-22	-23	-23	-21	-18	-16	-14	-13	-12	-12	-13	-14	-14	-15	-15	-15	-15	-15	-15	-15
AV	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
SD	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4

WIND DIRECTION (CC:10)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE # 6

DEC, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	WSW	NW	S	WSW	W	SSE	W	(VA)	WNW	W	WSW	WSW	SW	SW	W	SSE	SSE	SSE	SSE	SSE	SE	W
2	SE	SE	SE	ENE	SE	S	ESE	ESE	W	N	(VA)	WNW	W	WSW	WSW	W	W	SE	SE	E	E	ESE	SW	NW	SE
3	NE	N	SSE	E	ENE (VA)	SE	ENE	W	WSW	NW	WSW (VA)	WNW	W	WSW	WSW	W	WSW	S	SSW	SSW	SSW	SSW	SSW	NE	(VA)
4	E	E	ESE	NE	SSE	S	E	SSW	S	SSW	SSW (VA)	SSW	SSW	SSW	SSW	SSW	SSW	W	SSW	SSW	SSW	SSW	S	SSW	SSE
5	S	S	S	SSW	ESE	S	SE	SSE	NNE	N	WNW	W	WNW	W	(VA)	WSW	WNW	WNW	NW	NE	SE	SE	ESE	NE	(VA)
6	SSE	NE	(VA)	S	SSE	W	S	W	WNW	WNW (VA)	SSE	SE	SE	NE	N	ENE	ESE	S	(VA)	W	WNW	N	NE	S	S
7	SSW	NNE	SW	SSW	W	SE	ESE	NE	NE	N	ENE	ENE	ENE	ENE	ENE	NE	(VA)	NE	ENE	ENE	E	ENE	N	NE	S
8	ESE	E	E	E	ENE	E	ENE	ENE	ESE	N	NNE	ENE	ENE	ENE	ENE	NE	(VA)	NE	ENE	ENE	E	ENE	N	NE	S
9	SSE	SSE	SE	SE	NNE	S	WSW	N	WNW	W	W	WNW	WNW	W	W	WNW	W	WSW	SE	SE	SSE	S	S	SSE	S
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	(VA)	WNW	WNW	W	W	WNW	W	NK	(VA)	S	S	SSE	SSE	SSE	SSE
11	SE	ENE	ENE	SSE	SSE	SSE	SSE	SSE	SSE	S	W	WNW	WNW	W	WNW	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
12	SE	SSE	S	SE	SE	SE	SSE	SSE	ESE	ENE	W	WNW	WNW	W	WNW	WNW	W	WNW	NE	SSW	SSE	SSE	SSE	SSE	SSE
13	S	SSE	SE	SE	SE	SE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	W	WNW	NE	SSW	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SE	SE	SE	SE	SSE	SE	SE	SE	ENE	ENE	ENE	ENE	ENE	W	WNW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SE	SSE	E	(VA)	ESE	E	SE	SE	ENE	E	ENE	ENE	ENE	ENE	W	WSW	N	NE	SSW	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	ESE	SE	SSE	S	E	E	SE	ENE	ENE	ENE	ENE	W	WSW	W	W	SSW	SSE	SSE	SSE	SSE	SSE	SSE
17	E	S	SE	E	ESE	SSE	SSE	SE	SE	E	WSW	WNW	WNW	W	W	W	W	W	SSE	ESE	SSE	SSE	SSE	SSE	SSE
18	SSE	SE	E	SE	SSE	SE	E	E	ESE	NNE	WNW	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SW	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	E	SE	W	W	WNW	WNW	WNW	WNW	SW	S	S	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SE	S	SSE	SE	ESE	ESE	ESE	(VA)	NW	W	W	WNW	WNW	WNW	WNW	ESE	SSE	ESE	NNE	(VA)	N	(VA)	(VA)
22	NE	SE	SE	E	SE (VA)	WNW	E	NE	NE	NE	ENE	(VA)	SW	WSW	WNW	WNW	WNW	WNW	SE	N	WNW	WNW	N	WNW	NE
23	SE	E	SSE	S	SW	S	SSE	SE	SE	S	SW	W	WSW	WNW	WNW	WNW	WNW	WNW	ESE	S	S	W	SSW	NE	NE
24	SSE	SSE	SE	SE	ESE	SSE	SE	SE	SE	E	WNW	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SW	NE	SE	SE	ESE	SSE	ENE	ENE	ENE	NNE	W	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	SE	SSE	E	SE	ENE	S	SSE	SE	SE	SE	ENE	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SE	SSE	SSE	SE	SE	SSE	SE	SE	SE	ENE	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	S	ESE	S	E	ENE	NE	ENE	ENE	ENE	ENE	W	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	ENE	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	SE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	ENE	(VA)	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
31	SSE	SE	SSE	ESE	SE	SE	ESE	ESE	ENE	(VA)	WNW	W	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SSE	ESE	NW	WNW	WNW	WNW	WNW	W	WNW	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE

TEMPERATURE (CC/03)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JAN. 1980

AEROSYSTEMS INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-7	-7	-7	-6	-6	-6	-6	-9	-8	-7	-6	-5	-5	-5	-4	-4	-5	-6	-6	-6	-8	-7	-7	-7	-7	-9
2	-8	-8	-8	-9	-9	-9	-10	-11	-11	-10	-8	-7	-7	-7	-7	-7	-7	-6	-7	-7	-8	-8	-8	-8	-8	-5
3	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7
4	-9	-9	-9	-10	-10	-10	-11	-11	-11	-10	-10	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7
5	-9	-9	-9	-10	-10	-10	-11	-11	-11	-10	-10	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7
6	-12	-11	-11	-11	-10	-11	-12	-10	-9	-5	-2	0	2	0	-1	-2	-3	-3	-3	-7	-9	-8	-8	-8	-8	2
7	-8	-8	-8	-9	-10	-9	-9	-10	-10	-9	-7	-5	-3	-1	0	-1	-3	-4	-5	-6	-7	-6	-6	-6	-6	0
8	-6	-6	-6	-7	-6	-6	-7	-7	-7	-5	-4	-3	-1	-1	0	1	2	3	3	3	3	3	3	3	3	4
9	3	2	2	2	2	2	2	3	4	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	4
10	5	5	5	5	5	5	5	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6
11	-9	-11	-12	-13	-13	-14	-14	-15	-15	-13	-11	-9	-8	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	7
12	-7	-6	-6	-6	-7	-6	-7	-7	-7	-7	-7	-6	-6	-6	-4	-5	-5	-5	-5	-6	-7	-8	-8	-8	-8	-4
13	-8	-8	-9	-9	-9	-9	-9	-9	-8	-7	-4	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
14	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
15	1	1	1	0	0	-1	-1	-1	-1	-1	0	1	1	2	3	4	3	2	3	3	3	2	2	2	2	1
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0
17	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
18	0	0	-1	-1	-1	-1	-1	-1	-1	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	-3	-4	-4	-4	-5	-5	-5	-5	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	2
20	-6	-8	-9	-8	-8	-8	-8	-7	-8	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	2
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	2
22	-5	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	2
23	-8	-8	-9	-9	-10	-10	-10	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	2
24	-7	-8	-7	-7	-8	-8	-8	-8	-8	-8	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	2
25	-8	-8	-8	-9	-9	-9	-10	-11	-10	-9	-7	-6	-5	-3	-2	-1	0	0	0	0	0	0	0	0	0	0
26	-8	-8	-8	-9	-9	-9	-10	-11	-10	-9	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	0
27	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	0
28	-6	-6	-7	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	0
29	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	0
30	-10	-12	-13	-15	-15	-16	-17	-18	-18	-16	-14	-13	-11	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	0
31	-20	-20	-21	-21	-22	-23	-22	-23	-23	-21	-18	-16	-14	-13	-12	-12	-13	-14	-15	-15	-15	-15	-15	-15	-15	-12
AV	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1
SD	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	4	4	4	4	5	5	5	5	5	1

ABOUT (29 JAN 81)

TEMPERATURE (CC#03)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #159
 BONANZA, UTAH
 SITE 6
 FEB. 1980
 AFROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	-18	-17	-17	-16	-17	-18	-19	-16	-18	-17	-15	-14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	-17
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()
9	-17	-17	-18	-19	-19	-20	-21	-21	-20	-17	-14	-13	-11	-10	-9	-9	-7	-8	-11	-13	-14	-15	-16	-16	(IM)	-11
10	-18	-19	-19	-19	-20	-21	-20	-20	-19	-17	-15	-13	-11	-10	-8	-9	-10	-12	-13	-14	-15	-16	-17	-17	(IM)	-16
11	-18	-18	-19	-19	-19	-20	-20	-19	-16	-14	-12	-9	-8	-7	-7	-7	-8	-9	-11	-12	-14	-15	-15	-16	(IM)	-8
12	-16	-16	-17	-17	-18	-18	-19	-16	-16	-14	-12	-9	-7	-7	-7	-8	-9	-10	-11	-12	-14	-15	-15	-16	(IM)	-7
13	-13	-15	-15	-14	-14	-14	-14	-14	-13	-12	-10	-6	-5	-3	-3	-3	-3	-5	-6	-9	-12	-12	-12	-12	(IM)	-7
14	-8	-8	-8	-7	-7	-7	-7	-7	-7	-7	-4	-3	-2	-2	-2	-2	-2	-2	-3	-3	-4	-4	-4	-4	(IM)	-3
15	-5	-5	-7	-6	-6	-5	-5	-6	-6	-4	-2	1	2	2	2	2	0	-2	-2	-2	-2	-2	-2	-2	(IM)	-2
16	-4	-3	-4	-4	-4	-5	-5	-5	-4	-3	-2	-1	0	0	0	0	-1	-2	-2	-2	-2	-2	-2	-2	(IM)	-2
17	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	(IM)	0
18	0	1	4	5	4	2	1	1	2	3	8	6	5	3	2	1	1	2	2	2	3	3	2	2	(IM)	3
19	3	2	2	2	2	2	2	2	2	4	6	8	8	9	10	9	8	8	7	5	5	4	4	3	(IM)	8
20	2	1	2	2	2	2	2	2	2	3	4	4	4	6	8	7	7	6	5	4	3	3	2	2	(IM)	10
21	2	2	2	2	1	0	0	1	3	5	4	4	4	6	6	6	4	3	2	1	0	0	0	0	(IM)	6
22	0	0	0	0	0	0	0	0	1	3	3	4	5	6	6	6	6	5	4	2	2	2	2	2	(IM)	6
23	0	0	0	0	0	0	0	0	0	0	1	2	4	4	5	4	4	2	1	0	0	0	0	0	(IM)	2
24	0	-1	-2	-2	-2	-3	-3	-3	-3	-1	0	1	2	3	4	4	4	1	3	0	0	0	0	0	(IM)	5
25	-2	-3	-4	-4	-4	-5	-5	-5	-4	-1	0	0	1	3	3	4	4	3	2	1	0	-1	-1	-1	(IM)	4
26	-2	-2	-2	-2	-3	-3	-4	-4	-2	0	1	2	4	5	6	7	7	5	4	2	1	0	0	0	(IM)	7
27	-1	-1	-2	-2	-2	-3	-3	-3	-1	1	4	6	9	9	10	10	9	7	6	4	4	2	1	1	(IM)	10
28	1	0	0	0	-1	-2	-2	-1	1	4	5	7	7	8	9	10	10	8	8	7	5	4	4	3	(IM)	10
29	1	3	2	1	1	1	1	1	2	3	4	5	5	6	7	7	7	8	5	4	3	3	2	4	(IM)	8
AV	-5	-5	-6	-6	-6	-6	-6	-7	-6	-8	-8	-7	-1	0	1	2	1	0	-1	-2	-3	-3	-3	-3	()	-3
SD	7	6	8	8	8	8	8	8	8	8	8	7	6	6	6	6	6	6	7	7	7	7	7	7	()	7

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
MAR, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2	1	1	0	0	0	0	0	1	2	3	4	5	6	6	6	6	6	5	3	1	0	0	-1	2	6
2	-1	-1	-2	-3	-3	-3	-3	-3	-2	-1	0	1	3	5	6	7	8	7	6	5	3	4	4	1	1	2
3	1	1	1	1	1	1	0	0	1	2	3	6	8	8	8	8	8	7	6	5	2	3	3	3	3	8
4	4	4	3	3	2	3	2	3	3	2	3	6	7	8	8	8	8	7	7	6	2	5	4	3	4	8
5	2	2	2	2	2	2	2	2	2	2	3	5	7	8	8	8	8	7	7	6	6	6	6	6	5	8
6	5	6	6	2	0	1	1	2	2	2	3	5	7	8	8	8	8	7	7	6	1	1	1	1	0	5
7	0	0	0	0	-1	-1	-2	-2	0	1	2	3	4	5	5	6	6	6	5	4	2	1	1	1	1	5
8	1	1	1	0	-1	-2	-2	-2	0	1	2	3	4	5	6	6	6	6	5	4	4	3	2	2	1	6
9	0	0	-1	-2	-2	-2	-2	-2	0	1	2	3	4	5	6	6	6	6	5	4	3	2	2	1	1	6
10	1	1	0	-1	-2	-2	-2	-2	0	1	2	3	4	5	6	6	6	6	5	4	3	2	2	1	1	6
11	0	-1	-2	-3	-3	-3	-3	-3	-2	-1	1	2	3	3	3	3	3	2	1	0	3	3	3	1	0	6
12	3	3	1	1	1	0	-1	-2	0	1	2	3	3	3	3	3	3	2	1	0	0	-1	-2	-3	1	3
13	-4	-4	-4	-5	-5	-5	-6	-5	-3	0	1	2	3	4	5	6	6	6	5	4	4	4	4	4	3	3
14	-2	1	0	-1	-1	-1	-2	-1	2	5	8	10	11	12	13	13	13	13	11	10	9	8	7	7	6	13
15	6	6	7	6	6	5	4	4	5	6	7	10	11	11	10	10	11	11	11	10	9	8	7	7	6	13
16	2	2	0	-1	-2	-3	-3	-3	-2	-1	0	1	2	3	4	4	4	4	3	2	1	0	0	-1	-2	11
17	-6	-7	-7	-7	-8	-9	-9	-8	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-1	-2	-3	-4	-5	-6	7	11
18	-2	-4	-5	-6	-6	-6	-6	-6	-3	0	2	5	7	8	9	9	9	8	7	6	5	4	3	2	1	6
19	0	-1	-2	-2	-3	-3	-3	-2	1	5	7	8	9	9	10	10	9	8	7	6	5	4	3	2	1	13
20	-1	-1	-2	-3	-4	-4	-4	-3	0	3	5	7	8	10	11	11	10	9	8	7	7	6	6	5	4	10
21	1	1	0	-1	-1	0	0	0	4	9	11	12	12	13	13	13	13	12	11	10	9	8	7	6	5	13
22	3	2	1	1	1	1	1	1	2	3	3	5	6	6	7	7	6	5	4	3	2	2	2	2	2	7
23	2	1	0	-2	0	0	0	0	1	2	3	5	6	7	7	6	5	4	3	2	1	0	0	0	0	9
24	1	2	2	1	1	1	1	2	2	6	6	8	8	9	9	8	10	9	8	7	6	5	4	4	4	10
25	0	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	0	0	0	-2	-1	-1	-2	-2	-2	0	0
26	-2	-2	-3	-3	-4	-4	-6	-5	-4	-2	0	2	3	4	4	4	4	4	3	2	1	0	0	-1	-1	0
27	-3	-4	-4	-4	-5	-5	-4	-2	0	3	4	6	6	6	7	5	2	1	0	0	0	0	-1	-1	-1	7
28	-1	-1	-2	-2	-2	-2	-2	-2	-1	0	2	3	4	4	5	4	3	2	1	0	1	1	1	1	1	5
29	0	0	0	-2	-3	-3	-3	-1	1	2	4	5	5	6	7	7	8	7	7	5	4	2	1	1	1	8
30	1	1	0	-1	-1	-2	-1	1	3	4	6	6	5	-1	0	-3	-4	-5	-4	-5	-6	-6	-7	-8	8	
31	-10	-10	-11	-10	-11	-12	-11	-9	-6	-5	-3	-3	-3	-1	0	1	1	1	1	0	0	-1	-2	-2	-1	8
AV	0	0	-1	-1	-2	-2	-2	-3	3	3	4	5	6	6	6	6	6	5	4	3	3	3	3	3	3	1
SD	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	1

ABOUT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

APR. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-2	-3	-2	-2	-3	-3	-2	-1	0	0	2	2	2	3	3	3	3	3	2	1	0	0	0	0	3	
2	0	-1	-1	-2	-2	-2	-3	-4	-3	-2	-2	-1	0	0	1	2	2	2	2	2	1	0	-1	-1	-1	2	
3	-5	-5	-5	-6	-5	-7	-7	-5	-1	0	2	3	4	5	5	6	6	6	6	4	3	2	2	2	0	6	
4	2	2	2	1	1	-1	-1	-2	3	6	7	9	10	11	11	12	12	11	11	9	8	6	5	4	4	12	
5	4	3	3	2	2	2	3	3	5	6	10	13	14	14	15	14	13	13	11	10	9	7	6	6	4	15	
6	6	7	7	6	5	4	3	5	7	8	9	10	10	11	11	12	11	10	9	8	5	4	4	4	7	12	
7	4	3	0	-1	0	0	0	0	2	3	4	5	4	4	5	6	5	4	3	2	1	0	-1	-3	2	6	
8	-4	-4	-5	-5	-5	-5	-6	-4	-1	0	3	6	7	8	9	10	10	9	7	6	4	4	4	2	2	10	
9	0	0	0	-1	-2	-2	-2	0	3	6	9	11	12	14	15	16	16	15	14	12	11	10	10	9	7	14	
10	7	7	7	6	6	6	6	5	9	9	10	11	10	11	9	9	8	5	5	4	3	3	3	2	7	11	
11	1	1	-1	-2	-2	-4	-3	-2	1	2	3	4	6	6	7	7	6	5	5	3	3	2	1	1	1	6	
12	1	-1	-3	-4	-5	-6	-5	-2	-1	2	4	5	6	6	5	6	5	4	3	2	2	2	1	0	1	6	
13	-1	-3	-4	-5	-5	-6	-4	-2	0	2	4	5	6	6	5	6	5	4	3	2	2	2	1	0	1	6	
14	0	-1	-1	-2	-3	-2	-3	-2	0	4	6	10	12	13	15	16	16	16	16	15	10	10	10	9	7	12	
15	4	5	4	3	2	1	2	4	6	7	13	15	17	18	18	17	18	16	16	12	11	9	9	8	7	16	
16	5	1	2	1	0	0	0	3	7	10	12	13	15	15	16	16	16	15	14	12	11	10	10	7	10	16	
17	4	3	2	1	0	-1	-1	2	7	10	12	15	14	17	19	20	20	18	15	12	10	10	9	7	10	16	
18	7	5	4	3	2	2	1	4	9	12	16	18	20	21	22	22	22	21	19	14	12	11	10	7	10	16	
19	9	7	4	5	4	6	6	6	11	14	17	20	22	23	24	24	23	22	20	17	13	12	11	9	12	24	
20	10	9	7	6	5	4	4	6	11	16	19	22	23	24	25	24	23	22	18	16	15	14	14	14	14	25	
21	14	15	16	16	16	14	15	16	20	19	19	20	21	14	16	16	15	15	12	12	11	9	9	9	16	21	
22	6	6	7	7	6	6	5	7	9	12	14	17	18	18	19	19	18	17	17	14	14	14	14	13	13	19	
23	12	9	9	9	8	8	10	10	9	10	12	13	9	8	11	11	11	11	10	10	10	13	10	9	10	13	
24	8	7	7	7	7	7	7	8	9	10	11	15	14	14	14	15	15	15	13	13	12	12	11	10	11	15	
25	10	9	9	8	6	4	5	7	10	13	13	15	15	17	17	18	18	17	16	15	14	14	12	12	12	18	
26	10	9	6	4	3	3	3	6	9	10	12	13	15	16	16	17	17	17	15	13	10	9	8	8	11	17	
27	8	7	5	4	4	3	4	7	10	14	16	17	18	19	19	20	19	19	17	15	14	13	10	9	11	20	
28	12	11	9	8	7	6	7	10	13	17	18	20	21	21	21	21	20	20	18	15	14	13	13	13	13	21	
29	13	10	10	9	9	11	11	13	15	17	19	20	21	21	22	20	13	13	13	11	9	10	10	10	10	22	
30	10	8	8	8	8	8	8	8	10	10	11	12	10	8	10	12	12	12	11	9	9	9	9	9	9	10	12
AV	5	4	4	3	2	2	2	4	6	6	6	6	6	6	6	6	6	6	6	6	5	4	7	6	6	11	
SD	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	11

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
MAY, 1980
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	9	8	8	8	8	9	10	11	12	14	15	16	16	16	14	13	13	14	12	11	10	9	9	11	16	
2	8	8	8	7	7	7	7	9	11	13	14	16	16	17	17	17	16	16	15	14	12	11	10	9	11	17	
3	8	8	8	8	7	7	7	9	10	13	15	17	18	19	20	20	20	18	16	14	13	13	14	14	13	20	
4	13	12	12	11	10	8	8	10	13	15	17	19	21	21	21	21	21	20	17	16	15	11	10	11	15	21	
5	11	10	10	9	8	7	6	10	12	13	15	16	17	18	17	14	16	15	15	14	13	12	12	11	13	18	
6	11	10	10	10	9	9	9	11	13	15	16	17	18	14	13	14	14	14	13	13	13	12	12	11	13	19	
7	11	10	10	10	10	9	10	11	13	15	15	12	13	16	17	17	17	16	16	11	10	10	9	9	12	17	
8	9	9	9	8	8	8	9	9	10	12	14	14	14	14	16	17	18	16	16	11	11	10	11	11	12	18	
9	11	10	10	10	10	8	8	10	12	15	15	13	14	15	15	15	11	10	10	9	9	8	8	8	11	15	
10	17	7	6	6	6	6	6	8	9	12	13	12	14	15	16	15	15	15	11	9	9	8	7	7	10	16	
11	7	7	6	6	5	4	4	5	6	7	9	8	7	8	9	8	6	6	6	6	6	5	3	3	6	9	
12	3	3	3	4	4	4	4	4	6	6	6	7	8	9	10	10	9	8	6	5	5	5	5	5	6	10	
13	5	5	4	2	2	2	3	5	7	8	9	10	11	12	13	10	11	11	10	10	9	8	7	6	8	13	
14	5	4	4	3	3	2	4	6	8	9	11	13	14	15	15	15	14	13	12	12	11	10	9	8	9	15	
15	7	6	5	5	4	4	5	7	9	12	13	15	15	15	15	16	16	16	16	14	13	13	12	12	11	16	
16	11	10	8	7	7	6	8	10	12	13	14	16	16	15	14	16	16	12	11	7	7	7	6	6	11	16	
17	5	5	5	5	5	4	5	6	6	7	7	8	9	10	10	11	11	11	11	10	9	8	6	6	8	11	
18	5	4	3	3	2	2	3	6	8	10	12	13	15	16	17	17	17	18	18	17	14	12	10	9	10	18	
19	9	8	7	7	6	5	7	10	13	15	17	18	19	20	21	22	21	21	19	18	15	14	14	14	14	22	
20	13	11	11	9	8	7	8	11	14	16	18	20	22	22	23	23	23	23	21	19	16	15	14	14	16	23	
21	12	12	10	10	9	8	10	12	15	17	20	22	24	25	26	26	26	26	24	21	18	17	15	14	18	26	
22	14	13	13	11	9	9	10	13	15	17	19	23	26	27	26	26	26	24	21	19	19	19	19	18	18	27	
23	18	17	16	15	14	14	14	15	16	17	17	18	19	19	20	20	20	20	16	15	15	15	17	16	17	20	
24	16	16	15	14	14	13	14	15	15	15	15	16	16	14	11	10	9	8	7	6	7	6	6	6	12	16	
25	6	6	5	5	5	5	6	7	8	7	8	9	10	11	11	8	7	6	5	4	4	3	3	2	4	11	
26	1	0	0	0	-1	-1	1	5	8	11	12	14	16	17	17	18	18	17	16	14	11	9	8	6	10	18	
27	7	6	5	5	4	4	6	9	14	18	19	20	21	21	22	22	21	21	19	17	14	12	10	14	22		
28	10	11	9	8	7	6	8	12	17	18	18	19	20	21	22	22	21	21	20	17	15	15	14	16	22		
29	13	12	12	11	10	10	10	8	11	13	15	16	17	18	19	19	18	17	16	17	16	14	12	11	14	19	
30	11	11	10	9	8	8	9	11	13	15	17	19	20	20	22	22	22	22	21	18	15	13	11	15	22		
31	10	9	8	7	5	5	7	11	13	14	16	17	18	19	19	20	21	21	20	19	17	15	14	13	14	21	
AV	9	9	8	7	7	6	7	9	11	13	14	15	16	17	17	17	16	15	14	13	11	11	10	10	12	11	
SD	4	4	4	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	3	11

TEMPERATURE (Celsius)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

JUN, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE
1	11	10	9	8	7	7	9	11	14	16	18	17	17	18	19	17	16	16	15	13	12	10	9	8	13
2	7	6	5	4	3	3	6	10	17	18	19	19	20	20	22	22	22	22	22	21	19	16	15	15	15
3	14	13	13	12	12	12	14	18	19	20	21	23	24	24	25	25	25	25	24	23	21	18	16	16	19
4	15	14	15	15	13	13	14	18	20	21	22	23	24	25	25	26	26	25	24	23	21	20	20	19	20
5	17	14	13	12	10	9	11	14	19	21	23	24	24	25	26	26	26	26	25	24	22	21	19	19	20
6	18	16	14	12	10	13	18	19	21	22	23	24	25	25	25	25	25	25	24	23	19	18	16	14	19
7	12	10	10	9	8	8	10	12	15	18	19	21	22	23	24	25	25	25	24	23	21	18	16	14	17
8	13	12	12	9	8	7	9	13	17	19	22	24	26	27	27	28	28	28	27	25	23	21	18	17	19
9	15	13	12	11	10	9	11	15	18	21	23	25	27	28	29	29	29	29	28	27	24	21	19	18	20
10	17	16	14	12	10	10	12	16	20	22	25	29	30	31	31	31	30	30	30	29	26	23	22	21	22
11	21	21	19	18	14	12	15	19	23	26	28	28	28	29	30	30	30	30	29	28	26	25	24	23	24
12	21	21	18	17	16	16	17	22	24	25	26	27	27	28	29	29	28	28	27	26	25	24	21	16	23
13	15	13	11	11	10	9	11	15	20	23	25	26	27	27	28	29	29	28	27	26	25	22	21	19	21
14	17	16	15	13	12	11	13	18	22	23	25	25	26	26	27	27	27	27	26	25	20	18	16	15	20
15	14	13	11	9	9	9	10	13	16	17	18	19	20	21	22	22	22	22	21	19	18	16	15	15	20
16	11	12	11	9	7	6	10	12	15	18	19	20	21	22	23	24	24	24	24	24	20	17	15	14	17
17	13	12	11	11	10	9	11	15	18	20	23	26	27	28	29	29	28	28	28	27	24	21	19	18	20
18	17	16	16	14	12	12	15	18	22	24	27	28	30	30	31	30	31	30	30	29	27	26	24	21	23
19	20	19	19	17	17	16	17	20	23	25	27	28	29	28	28	28	28	28	28	28	25	22	19	18	23
20	17	16	15	13	13	12	14	17	21	23	26	28	28	30	31	31	31	30	29	28	26	24	24	22	23
21	21	20	19	16	15	15	16	19	22	26	27	28	29	30	30	30	30	29	28	28	24	22	21	20	24
22	18	17	16	15	14	12	14	17	21	24	26	28	29	30	31	31	31	31	30	29	26	23	21	19	23
23	22	22	23	20	19	19	21	25	27	28	29	30	31	31	32	32	31	31	30	29	27	26	24	20	26
24	18	16	15	14	13	12	14	18	22	25	28	30	31	32	32	33	33	32	31	30	28	25	24	23	24
25	20	23	18	17	15	14	15	21	24	28	31	32	31	32	32	33	33	33	32	31	30	27	25	24	26
26	22	20	19	18	17	15	17	21	26	30	31	32	33	34	34	34	34	34	33	32	29	27	24	24	26
27	23	22	21	20	20	19	19	20	22	23	25	27	28	29	29	29	29	28	27	26	25	22	19	16	23
28	16	14	12	11	10	10	12	15	17	21	23	24	26	28	29	30	30	31	30	29	27	23	22	20	21
29	18	17	16	16	16	16	16	18	21	24	27	29	31	32	33	33	33	31	29	28	28	26	24	25	33
30	22	23	22	21	20	19	20	21	24	27	29	31	32	33	33	33	33	31	29	27	27	19	16	15	14
AV	17	16	15	13	12	12	14	17	20	23	24	26	26	27	28	28	28	28	27	26	24	21	20	18	21
SD	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

TEMPERATURE (CC:03)

DEGREES CELSIUS
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

JUL, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	16	16	16	16	16	15	16	17	19	20	20	21	23	25	25	23	23	22	20	19	19	18	16	16	19	25
2	16	16	17	16	16	16	16	16	17	18	19	21	22	21	23	23	24	25	23	21	20	20	19	17	19	25
3	16	15	15	15	15	15	15	17	20	22	24	25	26	27	27	28	29	30	29	28	28	23	22	19	22	30
4	19	17	19	18	18	18	19	20	21	23	26	25	27	27	28	29	29	30	30	29	25	23	20	19	23	30
5	17	17	16	14	12	12	14	20	23	25	28	29	30	32	32	32	32	32	31	31	27	26	25	24	24	32
6	23	22	20	16	14	14	15	19	23	27	29	31	32	33	33	33	33	31	31	30	28	27	26	24	26	33
7	23	22	20	19	18	17	19	21	22	24	26	29	30	28	27	27	25	24	23	22	22	22	20	20	23	30
8	19	20	20	19	18	17	18	21	23	24	25	26	27	26	29	29	29	27	21	20	19	18	17	16	22	29
9	15	14	14	13	12	12	14	17	19	22	24	27	28	27	30	31	31	31	31	30	28	26	25	25	23	31
10	22	21	19	17	16	15	17	20	25	27	29	31	31	33	32	32	32	32	31	28	27	26	24	23	25	33
11	21	20	18	16	16	17	18	21	27	28	29	30	32	31	31	31	32	32	31	29	27	27	24	23	26	32
12	21	20	19	18	19	20	21	25	27	28	29	23	24	28	29	31	30	29	29	28	27	25	24	24	26	31
13	23	22	21	20	22	20	21	24	25	26	27	28	29	27	25	23	23	24	23	21	20	19	19	19	23	29
14	18	17	16	16	16	16	17	20	23	25	26	27	28	29	30	30	29	29	28	26	24	24	22	22	24	30
15	20	20	19	19	16	14	15	19	23	25	27	28	29	30	31	31	31	31	30	29	27	26	23	22	24	31
16	20	19	17	16	15	14	16	19	22	24	26	28	30	29	32	32	33	32	32	31	27	25	23	22	24	33
17	22	19	17	16	16	15	16	20	23	26	29	30	32	34	34	35	35	34	33	32	30	28	27	25	26	35
18	(RF)	21	22	24	23	20	21	23	26	28	28	32	31	33	34	35	35	34	34	32	29	27	27	27	28	35
19	21	18	16	14	14	(RF)	22	25	27	28	30	31	31	32	31	33	33	32	32	30	30	28	26	24	26	33
20	20	19	18	16	16	15	17	19	22	24	26	28	26	(RF)	32	32	32	32	32	30	(RF)	20	19	24	32	32
21	17	17	18	16	16	15	16	19	22	25	27	29	31	32	34	34	34	33	33	32	27	25	23	22	25	33
22	20	20	18	18	17	16	17	20	25	27	29	32	33	34	34	34	34	33	33	32	30	28	25	25	26	34
23	24	23	25	23	21	19	21	24	27	29	30	32	31	34	31	31	32	30	25	25	24	23	21	18	24	32
24	18	18	17	17	16	16	17	19	22	26	28	30	29	32	31	31	32	30	25	25	24	23	21	18	24	32
25	17	15	15	14	14	13	14	18	20	24	26	28	30	31	32	32	31	30	30	28	25	24	22	20	23	32
26	19	21	18	17	15	14	14	18	21	23	(RF)	26	28	29	29	29	29	32	31	29	27	25	24	23	32	32
27	20	19	14	13	11	14	15	20	23	24	26	28	31	34	34	35	35	34	33	30	26	25	21	21	25	34
28	18	16	16	15	12	15	16	20	24	25	28	31	30	32	33	34	34	34	34	33	28	25	23	22	25	34
29	21	20	18	18	17	16	18	22	25	29	31	32	33	31	29	30	28	28	26	25	24	23	22	22	25	33
30	22	21	17	14	13	(RF)	(RF)	(RF)	16	18	26	27	(RF)	30	31	31	31	31	30	28	28	24	21	14	24	31
31	10	11	(RF)	(RF)	(RF)	(RF)	(RF)	10	14	18	22	24	30	30	31	32	32	31	30	29	(RF)	25	23	14	24	32
AV	19	19	18	17	16	16	17	20	23	25	27	28	29	30	30	31	31	30	29	28	26	24	23	21	24	31
SD	3	3	2	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3

TEMPERATURE (CC:03)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 6

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFXR
1	16	20	19	15	11	12	15	17	20	21	(RF)	31	33	(RF)	34	34	33	29	27	28	27	25	23	24	34	
2	22	22	20	18	17	17	16	21	24	26	28	30	31	33	33	34	34	34	34	32	31	29	26	24	27	34
3	23	19	17	16	16	17	19	22	24	28	30	33	34	32	32	32	32	31	32	30	29	28	25	24	34	
4	22	21	18	18	17	15	15	19	23	24	24	(RF)	26	28	29	30	30	30	29	27	25	24	21	18	30	
5	16	14	14	15	15	14	14	17	20	(RF)	20	28	30	30	30	31	31	32	32	31	30	27	25	23	30	
6	23	23	22	22	19	17	14	19	23	26	28	28	29	31	31	31	31	31	31	30	27	25	24	25	31	
7	21	18	15	16	15	16	17	21	25	23	27	29	31	32	33	34	34	34	33	32	29	(RF)	23	21	25	34
8	22	21	20	18	18	17	17	20	23	23	25	28	31	34	34	34	34	34	33	31	29	29	30	24	34	
9	27	25	25	23	18	16	16	23	26	27	29	29	31	31	31	31	31	31	31	30	28	25	22	21	24	32
10	19	15	14	13	14	12	16	20	22	(RF)	28	29	31	32	32	32	32	32	31	29	28	25	22	18	24	32
11	16	16	16	14	13	12	12	16	21	22	(RF)	(RF)	28	29	30	29	30	29	28	27	22	21	19	17	21	30
12	16	16	16	16	15	13	14	18	24	27	27	30	30	31	31	31	30	28	26	26	26	25	24	24	31	32
13	22	21	18	18	18	17	17	20	23	26	28	30	31	32	30	29	26	23	24	23	22	22	21	20	23	32
14	19	19	18	18	17	17	16	18	21	23	25	27	28	29	29	29	29	29	28	22	21	21	19	19	23	29
15	18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	21	20	24	24	23	21	21	20	17	16	15	14	13	12	14	24
16	12	11	11	11	11	10	10	13	15	18	20	20	21	23	24	24	24	24	24	22	20	19	19	17	14	24
17	16	15	13	12	11	10	10	13	16	18	20	22	25	26	27	27	28	28	28	27	24	22	21	19	20	28
18	19	18	18	16	14	13	13	16	21	25	28	28	28	29	29	29	29	29	28	27	26	25	24	23	29	28
19	20	22	19	19	18	17	16	21	22	23	24	23	24	23	21	19	19	17	15	15	15	14	13	12	19	24
20	10	8	8	8	7	7	6	10	13	14	16	18	20	21	22	23	23	23	23	21	19	18	16	14	15	23
21	13	12	11	10	10	9	9	11	15	17	20	22	24	25	27	27	28	28	27	25	23	20	19	17	19	28
22	15	14	13	12	11	10	10	13	16	22	26	29	30	30	30	30	30	30	29	27	25	23	22	22	22	30
23	22	22	21	21	21	21	21	21	24	26	26	27	24	25	25	25	25	25	25	24	23	22	22	22	22	30
24	16	16	15	15	14	15	15	15	17	19	20	21	22	23	24	23	24	24	23	18	17	17	16	16	19	24
25	16	15	14	13	13	13	13	17	17	19	20	21	22	23	24	23	24	24	23	18	17	17	16	16	19	24
26	12	11	11	11	10	10	10	12	14	17	18	20	21	23	24	24	22	21	20	18	18	17	15	14	15	19
27	13	12	11	11	10	9	9	11	14	17	19	22	24	25	27	28	28	27	24	22	22	19	19	18	14	24
28	20	19	18	16	13	11	11	14	18	22	24	26	28	28	29	29	29	28	27	25	24	24	24	24	22	29
29	23	23	22	22	20	19	19	20	21	23	25	25	26	26	27	27	27	26	25	24	23	21	20	19	14	24
30	19	17	16	14	13	13	13	15	17	19	21	23	24	25	25	26	26	25	24	23	21	19	18	16	14	26
31	12	11	10	9	9	9	9	10	13	14	16	18	20	21	21	21	21	20	20	19	17	16	14	12	15	21
AV	18	17	16	15	14	14	14	17	20	22	24	25	26	27	28	28	27	27	26	24	23	21	20	19	21	11
SD	4	4	4	4	3	3	4	4	4	4	4	4	5	5	4	5	5	5	5	5	5	4	4	5	3	11

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 6

OCT. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	13	12	11	11	9	9	10	13	14	15	17	20	23	25	26	27	27	26	23	20	20	18	19	17	16	27
2	14	15	14	11	11	11	12	13	14	15	17	18	19	20	20	21	21	20	18	16	13	12	10	9	15	21
3	8	7	7	6	5	4	5	6	9	13	16	18	20	22	23	24	24	23	20	17	15	14	13	11	10	24
4	10	8	7	7	7	7	6	6	10	14	17	19	21	23	24	25	24	24	21	17	15	13	11	15	25	
5	10	9	9	8	8	7	7	8	11	15	18	21	23	24	25	24	24	22	17	15	14	13	11	15	25	
6	11	9	8	7	6	6	5	7	11	16	18	20	22	23	24	24	23	20	16	14	13	12	11	15	24	
7	10	9	9	8	7	6	6	7	10	14	18	20	22	24	25	25	25	20	17	16	14	13	12	15	25	
8	11	9	9	7	7	7	7	8	11	15	17	20	23	24	25	26	26	20	17	15	13	11	15	26		
9	11	9	9	9	8	7	6	7	10	13	16	18	21	23	24	24	23	19	16	15	14	13	11	15	24	
10	10	9	9	9	9	10	11	12	12	14	16	17	18	19	20	20	21	17	13	12	11	9	8	10	21	
11	7	6	6	5	4	4	4	4	7	11	15	17	19	20	21	22	23	22	20	18	17	17	17	13	23	
12	15	14	11	10	9	9	9	10	12	14	14	12	11	10	10	10	10	10	10	11	12	12	11	11	15	
13	9	9	8	9	9	8	8	9	13	13	13	14	15	15	15	15	15	15	14	14	10	9	8	11	16	
14	7	6	6	5	5	5	5	6	6	6	6	8	9	10	11	13	13	11	10	9	8	7	6	8	13	
15	6	6	6	6	6	6	6	4	5	7	9	9	8	5	5	6	5	5	4	4	3	3	3	5	9	
16	3	2	2	3	3	3	2	2	1	1	1	2	4	4	5	6	6	6	7	6	6	6	6	5	7	
17	5	4	4	3	3	2	2	3	5	7	7	7	8	9	9	10	10	8	6	7	7	5	4	6	10	
18	4	3	3	2	3	2	2	3	4	6	7	8	10	11	12	11	12	11	7	7	7	6	5	4	6	12
19	3	3	2	1	1	1	0	0	3	5	7	9	11	12	13	12	12	10	7	7	6	5	4	4	13	
20	3	2	1	1	1	1	0	0	2	5	8	9	11	12	13	13	13	12	9	7	6	5	4	4	6	13
21	3	2	2	1	1	0	0	0	2	6	9	11	12	14	14	15	15	14	11	10	8	7	6	4	7	15
22	7	6	6	5	5	5	4	5	6	10	14	15	15	15	15	15	13	11	9	7	6	4	3	2	8	15
23	0	-2	-3	-2	0	1	0	0	1	2	4	5	5	5	6	6	6	5	4	2	1	-1	-1	-2	6	6
24	-2	-3	-4	-4	-5	-5	-5	-2	1	3	6	8	9	11	11	11	9	7	4	4	3	1	0	-1	2	11
25	-1	-2	-3	-3	-4	-4	-4	-2	2	4	7	8	10	10	11	11	9	6	4	3	3	2	2	3	11	
26	2	1	0	0	0	0	0	1	2	4	4	7	7	7	7	7	7	4	4	3	3	3	3	3	11	
27	3	3	3	3	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	3	2	1	0	0	3	5
28	0	-1	-1	-3	-3	-3	-3	-3	-1	1	2	3	5	5	5	6	6	5	3	3	1	0	-1	-2	1	6
29	-3	-3	-3	-4	-4	-4	-5	-5	-2	1	3	5	7	8	9	10	9	8	6	4	2	1	0	0	2	10
30	0	-1	-2	-3	-3	-3	-3	-3	-1	2	5	7	9	10	12	12	12	11	8	6	4	2	1	0	2	12
31	0	0	0	-1	-1	-2	-2	-2	0	3	6	8	11	12	14	14	13	11	8	7	6	5	4	3	4	14
AV	6	5	4	4	4	3	3	3	5	8	10	12	13	14	15	15	14	12	10	9	8	7	6	5	9	11
SD	5	5	5	5	4	4	5	5	5	5	6	6	6	6	7	7	7	7	7	6	6	6	5	5	5	11

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
NOV, 1980
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2	1	0	-1	-1	-1	-1	1	4	7	9	11	12	13	13	13	13	12	8	7	5	4	3	3	5	13
2	3	2	1	1	2	1	1	1	4	7	10	12	13	14	14	14	14	13	9	7	6	5	4	3	6	15
3	4	3	2	2	2	2	1	2	4	7	9	11	13	14	14	15	13	10	8	8	8	7	6	5	7	14
4	3	2	1	1	1	1	0	0	2	5	9	11	13	14	15	16	14	11	10	8	8	7	5	4	7	15
5	3	2	1	1	1	1	0	0	2	6	8	10	12	14	16	17	16	14	11	8	7	6	4	4	7	16
6	3	2	1	1	1	1	0	0	4	6	11	14	16	17	18	19	20	17	14	13	13	13	13	13	8	17
7	12	10	7	5	4	4	4	5	6	11	14	16	16	16	16	16	15	14	12	10	8	7	6	5	13	16
8	14	14	14	14	14	13	13	13	15	16	16	16	16	16	16	16	15	14	12	10	8	7	6	5	13	16
9	5	4	3	2	1	0	0	0	2	5	8	11	13	15	16	17	16	13	10	8	6	5	6	5	7	16
10	4	3	2	1	0	0	0	0	2	5	8	11	13	15	16	17	16	13	10	8	6	5	6	5	7	16
11	5	4	3	2	2	1	0	-1	2	4	6	8	9	12	14	14	14	13	14	14	13	12	11	10	8	17
12	10	9	8	7	7	9	10	9	11	15	14	14	15	14	10	10	10	9	7	6	6	6	6	6	9	15
13	6	5	5	4	3	2	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	0	0	0	2	6
14	0	0	-1	-2	-2	-2	-2	-2	-1	1	1	1	1	1	1	1	1	0	-1	-1	-2	-2	-3	-4	-1	2
15	-5	-5	-6	-7	-8	-7	-8	-7	-5	-3	-2	-1	0	1	1	0	0	0	-1	-2	-2	-3	-4	-4	-1	2
16	-7	-7	-8	-9	-10	-9	-8	-6	-4	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-4	-4	-1	2
17	-7	-7	-8	-9	-10	-10	-11	-11	-10	-7	-4	-2	-1	-1	-1	-1	-1	-1	-1	-2	-2	-3	-4	-4	-1	2
18	-9	-9	-9	-10	-11	-11	-11	-12	-10	-7	-4	-3	-1	1	1	2	1	0	-2	-2	-3	-4	-4	-4	-1	2
19	-7	-7	-8	-8	-9	-9	-9	-8	-5	-3	0	1	3	4	4	4	4	2	0	-2	-3	-4	-4	-4	-1	2
20	-5	-5	-6	-7	-7	-7	-7	-7	-3	-1	2	3	4	5	5	4	4	2	-1	-2	-3	-4	-4	-4	-1	2
21	-6	-6	-6	-7	-7	-8	-8	-9	-7	-4	-2	1	3	4	5	6	5	3	0	-2	-3	-4	-4	-4	-1	2
22	-6	-6	-6	-7	-7	-8	-8	-9	-7	-4	-2	1	3	4	5	6	5	3	0	-2	-3	-4	-4	-4	-1	2
23	-1	-1	-1	-1	-2	-3	-4	-4	-3	-1	2	4	5	5	5	4	4	2	-1	-2	-3	-4	-4	-4	-1	2
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	0	-1	-2	-3	-4	-4	-1	2
25	-6	-6	-7	-8	-8	-9	-9	-10	-9	-7	-5	-3	-2	0	0	-1	-1	-3	-4	-4	-4	-4	-4	-4	-1	2
26	-4	-5	-6	-7	-8	-9	-9	-9	-6	-4	-2	-1	0	0	0	0	0	-2	-4	-5	-6	-7	-7	-7	-1	2
27	-8	-8	-9	-9	-9	-10	-10	-10	-7	-6	-5	-2	-1	0	0	0	0	-1	-2	-2	-3	-4	-4	-4	-1	2
28	-7	-8	-8	-8	-6	-7	-9	-9	-7	-5	-2	0	2	3	4	4	3	3	1	0	0	-2	-3	-3	-3	4
29	-3	-3	-4	-5	-5	-6	-6	-5	-4	-1	0	1	2	4	3	3	3	1	0	-1	-1	-2	-2	-2	-2	4
30	-3	-3	-3	-3	-4	-4	-3	-3	-1	2	5	7	6	10	11	10	10	9	7	6	7	7	8	7	3	11
AV	0	-1	-1	-2	-2	-3	-3	-3	-2	0	3	4	6	7	8	7	7	6	4	3	2	1	1	0	2	1
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	6	6	6	6	6	6	6	6	1

TEMPERATURE (CCL031)

DEGREES CELSIUS
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	5	3	1	-1	-2	1	0	1	2	0	3	4	4	4	4	4	3	2	1	-1	-2	-3	-3	1	6
2	-3	-4	-4	0	0	-4	-5	-5	-4	-2	0	1	2	3	4	4	4	4	3	2	2	2	1	1	0	4
3	1	0	3	4	6	6	7	11	11	11	12	13 (CA)	6	6	10	9	12	11	10	10	11	9	7	6	5	12
4	3	3	3	4	4	4	4	4	4	5	6	6	5	5	6	7	5	4	3	3	3	1	0	0	0	13
5	5	6	6	5	4	4	4	4	4	4	4	4	3	4	4	4	4	4	3	3	2	1	1	1	0	4
6	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4	4	4	4	2	2	2	1	1	0	0	4
7	-1	-2	-2	-2	-2	-1	-2	-2	-2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
8	-2	-2	-2	-3	-3	-3	-3	-3	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-3	-4	-5	-5	-5	-6	-2	0
9	-6	-6	-6	-6	-5	-5	-5	-5	-5	-4	-3	-2	-1	-1	-1	-1	-1	-1	-3	-4	-4	-5	-5	-6	-6	0
10	-7	-7	-8	-8	-9	-9	-9	-10	-9	-7	-6	-5	-4	-2	0	2	2	1	0	-2	-2	-3	-3	-4	-4	0
11	-5	-5	-6	-7	-7	-7	-8	-8	-7	-5	-3	-1	1	2	4	4	4	3	2	1	-2	-3	-4	-5	-5	0
12	-6	-6	-7	-7	-7	-7	-8	-9	-8	-6	-4	-2	0	2	4	4	4	3	1	0	-2	-3	-4	-5	-5	0
13	-6	-7	-7	-8	-8	-8	-8	-9	-9	-8	-7	-6	-5	-4	-3	-3	-3	1	0	-2	-3	-4	-5	-6	-6	0
14	-6	-7	-7	-8	-8	-8	-8	-9	-9	-8	-7	-6	-5	-4	-3	-3	-3	1	0	-2	-3	-4	-5	-6	-6	0
15	-4	-4	-4	-4	-4	-4	-4	-5	-5	-4	-3	-2	-1	1	3	4	4	4	3	1	-1	-1	-2	-2	-3	0
16	-3	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	4	2	0	-1	-1	-1	-2	-3	0
17	-3	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	4	2	0	-1	-1	-1	-2	-3	0
18	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	1	3	4	4	4	4	4	2	0	-1	-1	-1	-2	-3	0
19	-1	-2	-2	-3	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	4	3	1	0	0	0	0	0	0
20	-3	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	2	4	4	4	4	3	0	-1	-2	-2	-3	-3	0
21	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	2	4	4	4	4	3	0	-1	-2	-2	-3	-3	0
22	2	2	2	1	0	2	2	1	0	2	5	8	10	10	10	10	10	10	9	7	6	6	6	5	7	5
23	6	4	2	2	2	2	1	0	1	3	4	5	6	7	8	8	7	4	2	1	1	0	0	0	0	4
24	-1	-3	-3	-3	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	3	2	0	0	-1	-1	-2	-2	0
25	-3	-3	-3	-3	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	3	2	0	0	-1	-1	-2	-2	0
26	2	2	1	1	-1	-1	-1	-1	-1	0	2	6	8	9	10	10	10	8	5	3	3	2	1	0	0	10
27	0	0	-1	-2	-3	-3	-3	-3	-2	0	2	6	8	9	10	10	10	8	5	3	3	2	1	0	0	10
28	0	0	0	0	0	0	-1	-1	-1	1	4	6	7	8	8	8	8	6	4	2	1	1	1	1	1	2
29	-2	-3	-3	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	3	4	4	4	4	3	1	0	-1	-1	-2	-2	0
30	-3	-4	-5	-5	-5	-6	-6	-7	-6	-4	-2	0	3	5	7	7	7	6	5	2	1	-1	-2	-3	-3	0
31	-3	-3	-4	-4	-4	-5	-5	-5	-5	-4	-3	-2	0	3	5	6	6	6	5	2	0	-1	-2	-3	-3	0
AV	-2	-2	-2	-3	-3	-3	-3	-4	-3	-1	1	3	4	5	6	6	6	5	4	2	1	0	0	-1	-1	0
SD	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

DELTA T (CC819)

DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 6
 JAN, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-4	-4	-3	-1	-2	-4	-1	-1	-2	-3	-3	-3	-2	-3	-3	-4	-3	-0	-0	-4	-2	-1	-3	-4	-2	-4	
2	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-0	-2	-0	-3	-3	-4	-3	-2	-4	-4	-4	-4	-4	-4	-3	-0
3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-1	-1	-1	-1	-2	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-1
4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-2	-2	-2	-3	-5	-4	-4	-2	-3	-4	-4	-4	-4	-4	-4	-2
5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-4	-4	-3	-1	-2	-4	-3	-4	-4	-4	-4	-4	-2
6	-2	-3	1.1	-7	-4	-7	-7	-7	-9	1.0	-5	-1	-1	-2	-2	-2	-2	-2	-2	1.0	1.2	1.1	-3	-4	-4	1.2	
7	-3	-4	-2	-1	-2	-0	-1	-0	-2	-1	-1	-1	-1	-2	-1	-1	-2	-6	1.2	-9	-4	-1	-1	-1	-1	1.2	
8	-3	-0	-4	-2	-0	-2	-5	-2	-6	-3	-2	-2	-2	-2	-2	-2	-1	-3	-3	-1	-0	-7	-1	-1	-0	-6	
9	-0	-4	-2	-0	-3	-2	-6	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-7	-1	-1	-1	-6	
10	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-4	-4	-4	-3	-2	-3	-2	-2	-2	-3	-1	-1	-1	-7	-7	
11	-4	-2	-2	-4	-0	-4	-4	-3	-9	-2	-3	-3	-3	-3	-3	-4	-4	-4	-4	-3	-4	-4	-4	-4	-4	-9	
12	-4	-4	-3	-4	-4	-3	-3	-4	-4	-4	-4	-3	-3	-3	-3	-4	-3	-2	-1	-3	-5	-5	-7	-7	-1	-7	
13	-6	-4	-5	1.0	1.1	-8	-5	1.0	-7	-7	-0	-1	-2	-3	-2	-0	-4	-3	1.6	3.3	1.4	2.4	2.0	-5	-8	3.3	
14	-0	-0	-1	-1	-1	-1	-1	-0	-2	-2	-2	-2	-2	-2	-2	-0	-4	-3	1.6	3.3	1.4	2.4	2.0	-5	-8	3.3	
15	-1	-1	-2	-1	-0	-1	-1	-1	-1	-0	-1	-1	-1	-1	-1	-1	-0	-1	-3	-3	-2	-1	-2	-0	-0	-3	
16	-2	-2	-2	-2	-4	-5	-2	-2	-3	-4	-4	-5	-6	-6	-3	-4	-3	-2	-4	-2	-2	-2	-2	-2	-2	-2	-2
17	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-3	-2	-2	-3	-2	-2	-3	-3	-3	-2
18	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-2	-1	-4	-3	-2	-2	-3	-3	-3	-2
19	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-4	-4	-4	-4	-4	-3
20	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-4	-4	-4	-4	-4	-3
21	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
22	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
23	-2	-0	-2	-1	-0	-2	-1	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4	-2	-1	-2	-0	-2	-0	-0	-0	-0	-2
24	-4	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
25	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
26	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
27	-5	-5	-5	-5	-5	-4	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
28	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
29	-3	-2	-4	-3	-3	-3	-3	-3	-3	-3	-2	-2	-1	-2	-2	-2	-2	-2	-1	-2	-3	-3	-3	-3	-3	-3	-3
30	2.2	1.3	-9	1.2	-5	-0	-3	-4	-7	-9	-4	-4	-1	-1	-2	-1	-2	-1	1.2	-3	1.2	-6	-6	-6	-6	-6	2.2
31	1.0	-9	1.1	-7	-9	-5	-5	-7	1.1	-0	-1	-2	-0	-1	-1	-2	-2	-4	-3	-2	-3	-1	-1	-2	-2	-2	1.1
AV	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
SD	.5	.4	.4	.4	.4	.3	.4	.4	.5	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.6	.6	.6	.6	.6	.6

DELTA T (C0119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

FEB. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFK	
1	.6	-.1	-.1	-.3	-.2	-.5	-.9	-.2	-.4	-.1	-.2	-.4	-.1	-.3	-.3	-.3	-.3	-.1	-.4	-.3	-.3	-.2	-.4	-.3	-.1	.9	
2	.7	.3	.6	-.1	-.5	-.3	-.6	-.5	-.8	-.2	-.2	-.1	-.3	-.1	-.1	-.1	-.3	-.0	-.1	-.4	-.1	-.1	-.2	-.1	-.1	.8	
3	-.1	-.2	-.1	-.1	-.1	-.0	-.1	-.2	-.2	-.2	-.2	-.0	-.0	-.2	-.2	-.2	-.3	-.3	-.1	-.3	-.1	-.4	-.1	-.2	-.1	.3	
4	-.3	-.2	-.0	-.2	-.3	-.6	-.2	-.1	-.3	-.2	-.0	-.1	-.0	-.1	-.2	-.2	-.1	-.1	-.3	1.2	-.4	-.6	1.0	-.8	-.2	1.2	
5	1.1	1.3	1.9	1.0	1.1	.7	.6	.7	.5	-.1	-.4	-.3	-.0	-.2	-.2	-.3	-.3	-.1	-.1	-.1	-.6	1.0	-.2	-.1	-.4	1.9	
6	-.0	-.0	-.1	-.1	-.4	-.6	-.7	-.5	-.3	-.3	-.2	-.3	-.2	-.1	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.1	.7	
7	-.1	-.2	-.1	-.2	-.3	-.3	-.3	-.3	-.4	-.4	-.3	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.4	-.6	-.1	.6	
8	-.2	-.1	-.9	1.1	.8	1.6	1.8	.8	.5	.0	-.0	-.3	-.3	-.3	-.2	-.2	-.1	-.2	1.2	1.2	.5	.7	.4	.4	.2	.4	1.8
9	-.1	-.0	-.5	-.7	-.2	.1	.3	.5	.9	-.1	-.1	-.2	-.1	-.2	-.3	-.3	-.3	-.2	-.2	-.2	1.0	1.0	.0	.7	.1	1.4	
10	-.6	-.5	-.4	-.0	1.1	1.0	-.1	.4	.0	-.1	-.1	-.0	-.0	-.2	-.3	-.3	-.3	-.1	-.1	-.1	-.1	-.1	.9	1.4	1.1	1.4	
11	-.9	1.1	1.2	-.9	-.9	.7	.6	1.0	1.1	-.1	-.1	-.1	-.2	-.2	-.2	-.3	-.3	-.1	-.1	-.1	-.1	.8	.8	.8	.5	.4	1.8
12	-.9	.5	.6	.3	1.3	1.1	.7	1.1	1.0	-.1	-.3	-.3	-.3	-.2	-.2	-.3	-.3	-.2	-.2	-.2	-.2	-.3	-.4	-.2	.5	.3	1.3
13	-.2	1.5	.4	.3	.5	.3	.4	.4	1.1	-.3	-.1	-.2	-.0	-.6	-.1	-.2	-.2	1.1	1.2	-.1	-.2	-.2	-.2	-.2	-.2	.1	1.5
14	-.3	-.2	-.2	-.4	-.3	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.2	-.1	-.1	-.1	-.4	-.2	.4
15	-.6	-.6	-.3	-.2	-.5	-.2	-.1	-.0	-.2	-.2	-.3	-.0	-.1	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.0	.4
16	-.3	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.6	-.3	-.2	-.5	-.4	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.6
17	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.1	-.2	-.3	-.5	-.3	-.1	-.1	-.1	-.2	-.1	-.2	-.1	-.1	-.0	-.2	-.1	-.1	.2	.2
18	1.1	1.2	.7	-.2	-.5	1.1	1.2	-.2	-.0	-.0	-.1	-.0	-.1	-.1	-.0	-.3	-.3	-.3	-.0	-.1	-.1	-.0	-.2	-.0	-.0	.2	1.2
19	-.1	-.2	-.0	-.2	-.2	-.2	-.2	-.1	1.0	-.0	-.2	-.2	-.3	-.2	-.2	-.2	-.2	-.1	-.4	-.9	1.2	.6	.5	.3	.1	1.2	
20	-.0	-.1	-.1	-.2	-.2	-.2	-.2	-.1	-.2	-.3	-.3	-.3	-.3	-.4	-.3	-.3	-.3	-.2	-.2	-.2	-.2	-.1	-.3	-.2	-.1	.3	
21	-.6	-.4	-.0	-.0	-.1	-.1	-.4	-.6	-.4	-.1	-.3	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.2	-.2	-.2	-.3	-.4	-.4	-.4	.6	
22	-.4	-.4	-.3	-.3	-.3	-.2	-.3	-.1	-.1	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.1	-.6	-.1	-.2	-.1	-.2	.6	
23	-.1	-.2	-.1	-.2	-.3	-.1	-.2	-.2	-.1	-.2	-.3	-.4	-.5	-.4	-.4	-.4	-.3	-.3	-.2	-.2	-.3	-.3	-.2	-.2	-.2	.2	
24	-.2	-.1	-.0	-.1	-.2	-.1	-.2	-.2	-.2	-.3	-.3	-.4	-.4	-.4	-.5	-.4	-.4	-.3	-.3	-.2	1.0	1.0	.3	.0	-.1	1.0	
25	-.3	-.1	-.1	-.2	-.1	-.2	-.1	-.2	-.3	-.4	-.4	-.5	-.5	-.4	-.4	-.4	-.3	-.3	-.2	-.0	1.1	.3	.5	.4	-.1	.5	
26	-.4	-.0	-.1	-.2	-.0	-.4	-.1	-.1	-.2	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.1	-.0	.5	.4	.4	.4	-.1	.5	
27	-.4	-.1	-.1	-.2	-.0	-.4	-.1	-.1	-.3	-.4	-.7	-.4	-.7	-.6	-.4	-.4	-.4	-.4	-.6	-.1	.3	.7	1.1	.6	.4	.4	
28	-.4	-.8	-.1	-.3	-.2	-.0	-.1	-.0	-.2	-.5	-.5	-.4	-.5	-.4	-.4	-.4	-.4	-.4	-.3	-.0	.0	-.8	-.1	.0	-.0	.4	
29	-.2	-.0	-.4	-.2	-.1	-.2	-.1	-.2	-.0	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.1	-.6	-.7	-.2	-.2	-.2	.4	
AV	-.2	-.2	-.1	-.2	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.3	-.2	-.0	1.1	1.2	.3	.2	.1	.1	1.1	
SD	.4	.5	.5	.4	.5	.5	.4	.4	.4	.2	.2	.2	.2	.1	.1	.1	.1	.2	.3	.4	.4	.5	.4	.4	.4	.2	1.1

DELTA T (CC#19)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
MAR, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-2	-2	-2	-2	-2	-2	0	-3	-4	-4	-4	-4	-4	-4	-4	-3	-2	-0	-1	-9	-3	-2	0	-2	1.9	
2	0	-1	-1	1	3	1	-1	1	-7	-4	-4	-4	-3	-4	-3	-3	-6	-2	-1	1.2	1.2	-7	-7	-8	-0	1.2	
3	3	-2	-2	3	2	2	-5	2	-5	-7	-7	-5	-4	-4	-4	-4	-2	-2	-1	2	2	-2	-1	-2	-1	2	
4	-2	-2	-2	0	1	0	0	4	0	-2	-7	-5	4	5	4	3	4	-2	0	0	-2	-2	-6	-3	-1	6	
5	-1	-1	-3	3	1	1	3	4	5	-2	-4	-4	-4	-4	-4	-3	-8	-2	-2	-2	-2	-3	-2	-2	-2	4	
6	-1	0	-1	-2	-1	-1	-2	-2	-3	-3	-3	0	1	4	4	3	-2	-1	0	1	-1	-1	-3	-1	-1	4	
7	-2	0	-1	-1	-2	-6	-1	-2	0	-1	-3	-3	-4	-4	-4	-5	-3	-3	-1	-2	-3	-2	-2	-2	-2	2	
8	-1	-1	-1	-1	0	0	-1	-2	-3	-4	-4	-5	-5	-4	-4	-5	-6	-3	-2	0	-1	3	-1	0	-2	3	
9	-1	-2	-3	0	0	-1	-2	-2	-3	-4	-4	-4	-5	-4	-5	-4	-3	-2	0	2	-1	-1	-2	-2	-2	3	
10	-2	-2	0	2	-2	-2	-3	-2	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	0	3	6	7	0	5	-1	6	
11	-2	-6	-5	2	3	2	4	3	0	-3	-3	-2	-3	-2	-3	-3	-3	-3	-3	-2	-3	-3	-3	-6	-1	6	
12	-2	-2	-1	0	1	-1	-2	-4	-2	-5	-4	-4	-4	-4	-3	-2	-2	-1	-1	-1	-1	-1	0	-1	-2	2	
13	-1	-1	-2	-2	-5	-2	-3	-4	-4	-4	-3	-4	-4	-4	-3	-4	-3	-1	1	0	2	-1	0	0	-2	9	
14	-5	-9	7	7	7	6	4	1	-2	-3	-4	-4	-4	-4	-3	-4	-3	-7	0	2	-1	2	0	5	-1	9	
15	8	3	2	1	1	5	1.2	1.3	7	0	-6	-3	-3	-3	-4	-3	-3	-2	-5	-1	-2	1	-3	-3	-1	1.3	
16	-6	-6	-3	-3	-3	-3	-3	-9	-4	-5	-6	-6	-6	-5	-6	-1.0	-8	-3	-2	0	0	1	3	-1	-4	6	
17	-2	-2	0	-3	-1	-1	-2	-3	-3	-4	-3	-4	-5	-6	-7	-7	-7	-2	-1	-2	-2	-4	3	6	-3	6	
18	6	1.1	1.1	1.2	-1	4	0	4	-4	-4	-8	-4	-5	-9	-3	-3	-2	-2	0	1.0	7	-2	5	-3	-1	7	
19	-8	-5	-2	4	3	3	4	1	-3	-8	-4	-5	-4	-5	-4	-4	-4	-2	-1	0	0	-1	3	7	-1	7	
20	1.6	1.1	7	4	7	3	1	-2	-2	-3	-3	-4	-4	-7	-8	-3	-2	-2	0	1	0	-1	4	7	-1	1.6	
21	1.2	1.6	1.2	1.9	2.5	6	1.0	1.1	4	-5	-5	-6	-5	-5	-6	-6	-3	-3	-3	0	3	-3	-3	-3	-2	2.5	
22	-8	-7	-3	-3	-2	-2	-1	-1	-4	-4	-4	-4	-5	-5	-4	-4	-3	-2	-2	-2	-4	1	0	-5	-4	1	
23	-3	-3	-3	-7	-2	-7	-1	0	-3	-8	-4	-4	-4	-4	-5	-9	-3	-2	-2	-6	-7	0	1	-2	-2	1.3	
24	1.3	3	-2	-2	-2	1	0	-5	-3	-3	-4	-4	-4	-4	-4	-6	-4	-4	-3	-5	-7	-4	-3	-3	-4	1	
25	-1	3	-1	-1	0	-2	-1	-3	-4	-4	-4	-3	-4	-3	-4	-7	-4	-4	-3	-7	-7	-4	-3	-3	-3	3	
26	-4	-7	-3	-2	-2	-1	7	4	-2	-7	-6	-1	-3	-3	-4	-3	-2	-2	-1	-4	0	-1	-1	-1	-2	7	
27	-1	-5	-2	0	-1	0	-1	-3	-3	-4	-4	-5	-3	-4	-3	-7	-3	-4	-3	-3	-3	-3	-3	-3	-3	0	
28	-2	-6	-7	-3	-3	-3	-4	-4	-4	-3	-6	-4	-4	-4	-5	-9	-4	-4	-3	-2	1	-2	0	0	-4	0	
29	-1	-3	0	-4	-8	9	3	-3	-3	-3	-3	-3	-4	-3	-2	-2	-2	-1	0	0	-3	0	1	1	-1	9	
30	-1	-4	-1	4	1.0	1.0	7	1	-2	-4	-4	-6	-6	-4	-4	-4	-4	-8	-8	-7	-2	0	-3	0	-1	1.0	
31	-4	0	-5	-7	-3	-3	-2	-2	-2	-2	-2	-4	-3	-3	-3	-3	-4	-3	-6	-3	-2	0	-3	-2	-3	4	
AV	1	0	0	1	1	1	1	0	-2	-4	-4	-4	-4	-4	-4	-5	-4	-3	-2	-1	0	-1	1	0	-2	1	
SD	5	6	4	5	5	4	4	5	3	2	1	1	2	2	1	2	2	2	2	4	4	3	3	3	3	1	1

DELTA T (CC119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

APR. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-1	-4	-4	-2	-2	-4	-4	-4	-4	-3	-2	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	.0
2	-3	-2	-2	-3	-3	-4	-4	-4	-4	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-1
3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-1
4	-6	-2	-3	-3	-3	-3	-3	-3	-3	-3	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-6
5	0	-1	-2	-3	-5	-5	-2	0	-2	-3	-3	-3	-4	-4	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-5
6	0	-1	-1	-1	-3	-2	-4	0	-3	-3	-4	-6	-5	-5	-7	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-2
7	-2	-1	-3	-3	-2	-2	-2	-4	-5	-6	-8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-2
8	5	-3	-2	-4	0	0	-2	-4	-4	-5	-3	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	9
9	-6	-4	-6	-2	-7	-1	-4	0	-4	-3	-2	-8	-4	-4	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	9
10	-4	-5	-5	-6	-1.0	-2	-8	-6	-4	-5	-6	-1.1	-7	-1.1	-6	-6	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.6
11	-2	-1	-6	-6	-9	1.2	-4	-3	-4	-5	-4	-4	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.6
12	-1	-2	-7	-8	-4	-7	-3	-2	-3	-6	-4	-2	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.2
13	-8	-2	-9	-3	-6	-6	-2	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.3
14	-3	-5	-5	-4	-7	-3	-2	-2	-4	-3	-4	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.1
15	-1	-4	-2	-6	-8	-5	-2	-1	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	1.3
16	1.2	-3	-2	-3	-3	1.0	1.1	-1	-2	-3	-3	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	1.4
17	-4	-6	-4	-7	-6	-4	-7	-6	-2	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.4
18	-4	1.0	1.0	-7	-5	-2	-6	-2	-3	-2	-7	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.4
19	-3	-8	-6	-5	-4	-2	-7	-1	-3	-2	-3	-2	-4	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.4
20	-4	-2	-2	-4	0	3	-1	-2	-3	-3	-2	-1	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	1.1
21	-1	-3	-4	-5	-3	0	-4	-2	-3	-2	-2	-2	-1	-3	-6	0	0	0	0	0	0	0	0	0	0	1.1
22	-6	-6	-8	-5	-7	-1	-2	-5	-3	-7	-3	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.5
23	-6	-6	-8	-5	-7	-1	-2	-5	-3	-7	-3	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.5
24	-2	-1	-1	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	1.1
25	0	0	-1	-1	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	1.1
26	-1	-4	1.5	-7	-6	-3	-1	-2	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.5
27	-6	-4	1.1	-2	-3	-6	-1	-2	-3	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.7
28	-3	-7	-5	-3	-1	-6	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.7
29	-3	1.0	-6	-4	-5	-5	-1	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.0
30	-1	-3	-2	-2	-1	-1	-1	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.2
AV	-2	-3	-3	-3	-3	-3	-2	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1.1
SD	-5	-5	-5	-4	-6	-4	-3	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1.1

DELTA T (CC119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 6

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFEK
1	-2	-2	-2	-1	-1	0	-2	-3	-3	-2	-3	-1	-2	-2	-1	-1	-1	-1	-2	-1	-1	-2	-1	-1	-1	.9
2	-2	-1	-1	-5	-4	-4	-1	-2	-1	-2	-6	-1	-8	-4	-2	-3	-3	-2	-2	-1	-3	-2	-1	-1	-1	.5
3	0	-1	0	-2	-2	-1	-1	-3	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	-1	-1	-1	-1	-1	.2
4	0	-1	0	-1	-3	-6	-3	-2	-3	-1	-2	-3	-1	-2	-3	-4	-3	-2	-1	-1	-2	-1	-2	-2	-1	.6
5	-2	-1	1	1	1	-1	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-3	-2	-2	-1	0	-1	0	0	-1	.1
6	-2	3	1	1	0	0	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	3	3	0	-1	.3
7	4	-2	-3	4	3	5	2	-2	-3	-2	-3	-2	-3	-2	-2	-2	-2	-2	-1	0	-2	-2	-2	-1	-1	.5
8	1	-2	-1	1	0	-1	0	-2	-3	-3	-3	-2	-3	-2	-2	-2	-2	-1	-1	0	-2	-1	-2	-2	-1	.1
9	-1	1	1	2	4	4	2	1	-2	-3	-3	-4	-3	-3	-2	-3	-2	-2	-2	-1	-1	0	0	-1	-1	.4
10	-2	0	1	1	0	-1	-2	-3	-2	-3	-3	-3	-4	-3	-4	-4	-4	-2	-3	-2	-2	-2	-1	0	-2	.2
11	-1	0	-1	-1	-2	-2	-3	-3	-2	-3	-2	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-3	-1	-2	0
12	-1	-3	-2	-2	-3	-1	-3	-3	-4	-4	-4	-4	-4	-3	-3	-4	-3	-3	-2	-2	-2	-2	-2	-3	-3	-.1
13	-3	-2	-2	-2	-2	-1	-2	-3	-3	-2	-3	-2	-2	-2	-3	-2	-2	-2	-1	0	0	0	0	0	0	-.2
14	-2	0	1	3	2	2	-2	-2	-2	-2	-3	-2	-2	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1	0	-1	.3
15	0	-2	1	-1	0	0	-1	-3	-4	-1	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	.2
16	0	-1	3	5	1	-1	0	-1	-2	-3	-1	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-1	.5
17	-1	-1	1	0	-1	-1	-3	-3	-3	-4	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	3	5	1	-1	.5
18	-2	1	2	1	2	-2	-1	-2	-3	-3	-2	-2	-3	-2	-1	0	0	0	0	0	1	9	3	3	-2	0
19	-2	3	5	3	4	1	-1	-2	-2	-2	-2	-1	-2	-1	-1	-2	-1	-1	0	1	2	3	4	2	0	.9
20	3	5	3	9	5	4	1	-2	-1	-2	-2	-1	-2	1	0	-1	0	0	0	3	5	1.6	7	3	2	1.3
21	4	3	6	7	5	4	0	-1	-2	-1	-1	-1	-1	-1	-1	-1	0	1	2	4	6	8	4	4	2	.8
22	5	8	8	1.6	1.9	1.2	0	-1	-2	-2	-1	-2	-1	-1	-2	-1	-1	-2	-1	-1	-1	0	0	0	0	1.9
23	-1	-2	-2	0	0	-1	-2	-3	-3	-4	-5	-4	-4	-3	-3	-3	-2	-1	-3	-1	-2	4	2	0	-1	.4
24	-1	-1	-1	-1	-1	0	-2	-4	-4	-6	-6	-6	-7	-6	-6	-6	-4	-3	-3	-3	-3	-3	-3	-2	-3	0
25	-3	-2	-2	-2	-2	-3	-3	-4	-5	-4	-5	-5	-6	-6	-4	-4	-4	-3	-3	-2	-2	-1	5	7	-2	.7
26	-5	-9	-6	0	0	5	1	-2	-3	-3	-2	-3	-4	-5	-4	-4	-2	-1	-1	1	4	1.3	6	2	2	1.3
27	3	4	4	6	4	1.3	0	-2	0	-3	-4	-4	-3	-4	-4	-2	-1	0	0	1	0	6	9	4	2	1.3
28	4	3	3	5	6	1.9	3	1	3	5	4	4	4	4	4	3	2	0	1	7	8	2	2	0	1	.9
29	-2	-2	-2	-1	1	1	-2	-2	-3	-3	-4	-3	-3	-5	-4	-3	-2	-1	0	0	0	1	2	0	0	.1
30	5	1	0	2	7	4	-1	-1	-2	-3	-2	-3	-2	-2	-2	-2	-2	-1	0	1	8	5	5	2	1	.4
31	4	9	7	8	2.4	2.2	6	-3	-3	-3	-3	-3	-3	-2	-2	-2	-3	-2	-1	-1	0	6	3	2	2	2.4
AV	.1	.1	.2	.2	.3	.3	0	-.2	-.3	-.3	-.3	-.3	-.3	-.2	-.2	-.2	-.2	-.2	-.1	0	.1	.2	.2	.1	.2	.1
SD	.2	.3	.3	.4	.6	.5	.2	.1	.1	.2	.1	.2	.2	.1	.1	.1	.1	.1	.1	.2	.4	.5	.3	.2	.2	.1

DELTA T (CC119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

* FINAL DATA *
* AS OF 31/MAR/81 *

JUN, 1980
AEROTHERM INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	-2	-3	-3	-4	-1	-1	-2	-3	-1	-2	-1	-3	-2	-1	-1	-1	-1	-1	-1	-1	-0	-1	-2	-0	
2	-2	-0	-2	-6	1.0	1.5	-2	-3	-3	-3	-3	-3	-4	-3	-2	-2	-2	-1	-0	-1	-3	-5	-6	1.0	
3	1.8	1.1	1.5	1.3	1.1	.5	1.0	-2	-3	-4	-3	-5	-4	-3	-2	-2	-2	-1	-0	-2	-5	-4	-5	1.5	
4	0.8	1.2	-1	-2	-2	.6	.3	0	-3	-5	-4	-5	-4	-4	-4	-4	-4	-2	-1	-0	-2	-3	-7	1.5	
5	.4	.9	1.2	.6	.6	.3	-1	-1	-2	-4	-4	-4	-5	-4	-4	-4	-3	-1	-0	-1	-1	-2	-7	1.2	
6	1.0	1.2	1.0	2.0	2.0	1.4	-1	-2	-3	-4	-5	-6	-5	-5	-5	-3	-1	-2	-1	-1	-1	-3	-5	1.2	
7	1.0	1.2	.4	.2	.6	.1	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-4	-9	-4	1.2	
8	.4	.6	.3	1.2	1.4	.9	-1	-1	-1	-2	-1	-2	-2	-1	-2	-1	-1	-1	-1	-1	-3	-7	-7	1.2	
9	.6	1.0	.3	.9	.8	1.1	-1	-1	-2	-1	-1	-2	-3	-2	-1	-1	-1	-1	-1	-3	-6	-1	-1	1.2	
10	.5	.4	1.1	1.2	1.5	1.0	-1	-2	-1	-1	-1	-2	-3	-2	-1	-1	-1	-1	-1	-3	-6	-1	-1	1.2	
11	.5	.4	.9	2.0	3.5	2.7	.7	-1	-1	-1	-3	-5	-4	-4	-4	-3	-3	-1	-0	-1	-5	-8	-4	1.5	
12	.5	.3	.6	.9	.4	.8	.6	-1	-3	-3	-5	-4	-4	-4	-4	-3	-3	-1	-1	-1	-3	-9	-2	1.5	
13	1.4	2.2	1.2	.6	1.2	1.4	.4	-1	-3	-2	-4	-3	-4	-4	-3	-3	-2	-1	-1	-1	-3	-4	-1	1.1	
14	.5	.1	1.2	.7	.4	.6	.1	.3	-2	-2	-4	-5	-6	-4	-4	-3	-2	-1	-0	-1	-1	-5	-7	1.1	
15	.3	.4	.7	1.4	1.0	.8	.3	-2	-2	-3	-4	-3	-4	-4	-4	-4	-4	-2	-1	-0	-3	-1	-1	1.4	
16	1.3	1.2	.6	1.4	1.2	.4	-1	-2	-2	-2	-2	-2	-1	-2	-1	-2	-2	-2	-2	-0	-3	-1	-3	1.4	
17	.6	.6	.6	.6	.6	.4	0	-2	-1	-2	-2	-2	-1	-2	-2	-1	-1	-1	-0	-4	-6	-6	-3	1.4	
18	.4	.4	.7	1.1	1.5	1.1	0	0	-2	-1	-1	-2	-2	-2	-1	-1	-1	-1	-0	-4	-9	-7	-1	1.4	
19	.3	.4	.5	.4	.4	.9	.2	0	-1	-1	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-2	-6	1.5	
20	.6	.6	.6	.7	.7	.9	.1	-2	-1	-2	-2	-3	-1	-2	-1	-2	-1	0	-1	-1	-2	-4	-4	1.9	
21	.8	1.1	.6	1.2	.9	.8	.3	-1	-2	-2	-2	-3	-1	-2	-2	-1	0	0	0	-2	-6	-7	-4	1.9	
22	1.0	.5	.7	.9	1.1	1.1	.1	-1	-1	-1	-1	-2	-1	-2	-3	-3	-2	-1	-0	-2	-4	-7	-4	1.9	
23	.6	.6	.1	.6	.3	.3	.3	.3	.3	.4	.3	.4	.5	.5	.5	.3	.3	.2	.0	-1	-2	-4	-7	1.9	
24	1.1	1.0	.9	.8	1.1	.5	.3	.3	.3	.4	.3	.4	.5	.5	.5	.3	.3	.2	.0	-1	-2	-4	-7	1.9	
25	.4	.7	1.5	1.5	2.0	1.5	.6	.1	-2	-2	-3	-3	-2	-2	-2	-3	-2	-1	-0	-1	-1	-5	-6	2.0	
26	.6	1.1	.9	1.0	1.5	1.7	.6	-1	-1	-3	-4	-4	-5	-4	-4	-4	-3	-2	-0	-1	-2	-1	-2	1.7	
27	.5	0	.1	.1	.1	.1	-1	-2	-2	-3	-4	-4	-5	-4	-4	-3	-2	-1	-1	-1	-2	-1	-2	1.7	
28	1.9	.6	.5	.5	.5	.6	0	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-3	-3	-2	1.9	
29	.5	.7	1.0	.7	.7	.5	.3	0	-3	-1	-1	-2	-3	-1	-2	-1	-1	-1	-1	-2	-2	-3	-3	1.0	
30	1.1	.3	.5	.7	.9	.6	.3	.1	0	-1	-3	-3	-5	-2	-2	-3	-2	-1	-1	-1	-1	-1	-0	1.1	
AV	.7	.7	.7	.9	1.0	.8	.2	-1	-2	-3	-3	-3	-3	-3	-3	-3	-2	-1	0	-1	-5	-5	-5	1.1	
SD	.4	.5	.4	.4	.7	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.1	

DELTA T (C0119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUL, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-.1	.1	.0	.0	.4	.1	-.1	-.2	-.2	-.3	-.2	-.2	-.1	-.2	-.2	-.2	-.1	-.1	-.2	-.1	-.1	.1	.0	.0	-.1	.4	
2	-.0	.0	.1	.4	.4	.0	-.1	-.2	-.2	-.2	-.2	-.1	-.1	-.2	-.1	-.1	-.1	-.1	-.0	-.0	-.0	.1	.2	.3	-.0	.3	
3	.2	.2	.4	.4	.5	.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	1.0	.6	.1	1.0	
4	1.0	1.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.7	.9	.6	.6	.1	1.0
5	.4	.2	.8	2.3	1.9	.9	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.7	.3	.2	.5	.3	2.3
6	.4	.5	1.5	2.7	1.3	.5	.0	-.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.6	.6	.3	.5	.4	2.7
7	-.3	-.3	.3	.9	.3	.4	.0	-.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.0	-.1	.0	.9	
8	-.1	-.1	-.1	.0	.0	.7	.0	-.2	-.3	-.3	-.3	-.2	-.4	-.3	-.2	-.2	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.7	
9	-.6	.4	.1	.4	.4	.4	.0	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.5	.3	.1	.4	.1	.6
10	.5	.4	.3	.6	.8	.9	.2	.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.9	.3	.6	.1	.9	
11	.8	1.3	.7	.7	.9	.3	.0	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.6	.7	.4	.2	1.3	
12	.6	.8	1.0	1.5	1.0	1.0	.0	.2	.2	.2	.1	.3	.0	-.2	-.2	-.2	-.3	-.1	.0	.3	.2	.0	.0	.1	.3	1.5	
13	-.2	.1	.3	.4	.3	.2	.2	-.1	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	.2	.5	.9	.2	.4	
14	.3	.7	.6	.8	.5	.3	.3	.0	-.2	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.3	.2	.5	.9	.9	
15	2.3	.7	.9	.6	1.6	1.7	1.1	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	.7	1.6	.5	.4	2.3
16	-.2	.5	.6	.5	.4	.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	.4	.9	.8	.2	1.2
17	.3	.9	1.9	1.2	.6	.5	.2	.1	.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	-.0	.9	1.1	1.6	.6	.3	1.9
18	-.6	.9	1.7	.8	.9	1.9	.7	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.3	.2	.5	.5	.3	1.9
19	.9	.3	.6	.9	.5	1.2	1.1	.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.4	.6	1.1	.4	.2	1.2
20	.9	1.0	1.0	1.1	.7	1.0	.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.5	1.5	2.3	1.4	.4	2.3
21	.6	.4	.3	1.1	.7	1.0	.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.9	.6	.4	.3	.2	2.5
22	1.2	.3	.6	.5	.8	.9	.3	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.3	.5	.4	.2	1.2	
23	.2	.3	.5	1.3	1.6	1.7	.5	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.7	.5	.6	.7	.4	1.7
24	1.5	1.3	.8	1.1	1.2	.6	.5	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.5	1.1	.7	.3	1.5	
25	.8	1.0	.7	.9	.6	.1	.2	.1	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.3	.5	.2	.9	.3	1.3
26	1.3	1.3	1.1	.4	.9	.9	.5	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.7	.9	.6	.7	.3	1.3
27	.8	.6	1.4	.9	1.4	.4	.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	.7	.4	.6	.5	1.4
28	.2	1.0	.5	.5	1.1	.9	.2	-.2	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.3	1.3	.8	.4	.3	1.3
29	.8	1.2	1.6	.8	.9	1.2	.7	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.3	.3	.1	.0	.3	1.6
30	-.0	.4	.7	.4	.5	.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.2	.6	.1	.3	.1	.4
31	.1	.5	.4	.1	.6	.3	.0	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.3	.4	.1	.1	.1	.6
AV	.6	.6	.7	.8	.8	.8	.3	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	-.1	.5	.5	.5	.5	.2	1.1
SD	.5	.4	.5	.6	.5	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.4	.4	.4	.1	1.1

DELTA T (CC119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
AUG, 1980
AEROJVNMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.1	.6	.6	.7	.3	.2	.0	.0	-.1	.0	-.2	-.2	-.2	-.2	-.2	-.1	-.0	-.0	.0	.2	.0	.0	.4	.6	.1	.7
2	.5	.6	.9	1.3	1.0	.6	.3	-.2	-.2	-.2	-.2	-.4	-.3	-.5	-.2	-.2	-.2	-.2	.0	.1	.4	1.0	1.1	.4	.3	1.4
3	.4	.3	.4	.7	1.4	.1	-.2	-.1	-.3	-.2	-.2	-.4	-.4	-.4	-.5	-.3	-.4	-.2	.0	.1	.1	.2	.3	.3	.0	.7
4	.5	.2	.4	.3	.6	1.2	.0	-.1	-.2	-.2	-.2	-.2	-.3	-.2	-.3	-.2	-.2	-.2	.0	.1	.2	.7	.4	.3	.3	1.6
5	.2	.4	.7	.6	.5	.7	-.1	-.1	-.1	-.2	-.2	-.2	-.2	-.1	-.1	-.2	-.1	-.0	.0	.2	.6	.4	.3	.3	.1	.7
6	.5	.7	.4	.5	1.5	1.3	.3	-.1	-.1	-.2	-.2	-.2	-.2	-.4	-.3	-.3	-.2	-.1	.0	.2	.6	.6	.3	.6	.1	1.5
7	1.9	1.8	1.5	.5	1.0	2.1	1.6	.1	-.1	-.1	-.1	-.3	-.2	-.1	.0	.0	.0	.0	.1	.3	.4	.9	.4	1.1	.6	2.1
8	.7	.9	.6	.8	.8	.6	.2	-.1	-.1	-.1	-.1	-.1	-.2	-.1	-.1	-.1	.0	.2	.5	.6	.6	.6	.3	1.1	.2	.9
9	.2	.1	.1	.8	2.1	2.9	1.2	.0	-.2	-.2	-.1	-.2	-.2	-.1	-.1	-.2	-.3	-.1	.4	1.4	1.2	1.3	1.4	.5	2.9	.9
10	.4	.6	.4	.7	.9	1.2	.3	-.2	-.1	-.2	-.2	-.1	-.3	-.3	-.3	-.2	-.2	-.0	.2	.2	.2	1.0	1.5	.2	1.5	.2
11	1.4	1.5	.6	.6	.3	1.3	.7	.3	-.1	-.2	-.2	-.1	-.1	-.2	-.1	-.1	-.0	.1	.5	1.5	.6	.5	.3	.3	1.5	.5
12	.3	.4	.6	.3	1.3	1.3	.7	.1	-.1	-.3	-.1	-.2	-.2	.0	-.1	.0	.0	.0	.3	.0	.0	.0	.0	.1	.2	1.3
13	.2	1.0	1.6	.9	.3	.6	.5	.0	.0	-.1	-.2	-.2	-.2	.0	.0	.0	.2	.2	.1	.1	.0	-.1	-.1	-.1	.2	1.6
14	.0	.1	.0	-.2	-.2	.0	.0	-.1	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	.0	.0	.0	.0	.2	.1	.0	.7
15	.1	.1	.0	-.2	-.2	.0	.0	-.1	-.1	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.1	.0	.0	-.1	.0	.2	.1	.0	.2
16	.2	.5	.4	.4	.4	.1	.0	-.1	-.2	-.2	-.2	-.2	-.1	-.2	-.3	-.3	-.2	-.1	.0	.3	.0	.0	.0	.6	.0	.6
17	.4	.6	.3	.3	.2	.7	.6	-.1	-.2	-.1	-.2	-.2	-.1	-.2	-.3	-.3	-.1	.0	.0	.2	.4	.3	.2	.6	.1	.4
18	.4	1.1	1.5	2.3	3.4	2.5	2.5	.5	-.2	-.1	-.4	-.4	-.4	-.4	-.5	-.3	-.1	.0	.0	.0	.1	.2	.4	.5	.5	.4
19	.8	.4	.3	.4	.4	.2	.2	-.2	-.3	-.5	-.4	-.4	-.4	-.4	-.3	-.2	-.2	-.3	-.2	-.1	-.1	.0	.0	.2	.0	.4
20	1.1	1.0	.3	.0	.0	-.1	-.2	-.3	-.3	-.3	-.4	-.4	-.4	-.3	-.2	-.1	.0	.0	.1	.2	.3	1.0	1.3	.4	.1	1.3
21	.7	.4	.5	.5	.6	.8	.5	-.2	-.1	-.2	-.2	-.1	-.1	-.2	-.2	-.1	.0	.0	.2	.4	.6	.9	.5	.3	.2	.9
22	.5	1.2	1.1	1.1	1.3	1.5	1.5	-.1	-.2	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.1	.0	.1	.5	.7	.2	.5	.3	1.5	.5
23	.3	.3	.3	.3	.1	.2	.7	-.3	-.2	-.2	-.2	-.2	-.2	-.1	-.2	-.1	2.2	1.9	1.5	1.4	1.5	1.7	.9	.3	.5	2.2
24	.2	.1	.4	.3	.4	-.1	.0	-.1	-.2	-.3	-.2	-.2	-.2	-.1	-.2	-.1	-.1	-.1	-.1	-.3	.1	.0	-.1	.0	.0	.4
25	.2	.4	.3	.0	-.1	.1	.1	-.1	-.2	-.3	-.1	.0	-.2	-.3	-.5	-.5	-.2	-.2	-.2	-.1	.0	.1	.1	.2	.0	.4
26	.1	.2	.1	.2	.3	.3	.3	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.2	-.1	-.1	-.1	.0	.2	.3	.3	.1	.3	.0	.3
27	.3	.3	.3	.2	.2	.2	.1	-.2	-.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.0	.0	.1	.3	.7	.6	.7	1.5	.2	1.5
28	.2	.4	1.2	2.0	2.9	1.9	2.7	-.2	-.1	-.1	-.2	-.4	-.5	-.4	-.4	-.2	-.0	.0	.1	.2	.1	.2	.1	1.1	.4	2.9
29	.2	.1	.1	.1	.4	.6	.6	.0	-.1	-.2	-.3	-.2	-.3	-.3	-.4	-.2	-.1	.0	.0	.2	.4	.1	.0	.0	.0	.6
30	.3	.5	1.7	1.4	2.3	1.1	2.2	.8	-.1	-.1	-.2	-.1	-.2	-.1	-.2	-.1	-.1	-.1	-.1	.0	.0	.5	1.2	1.1	.5	2.3
31	1.0	.3	.7	.6	.2	.0	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.4	-.3	-.3	-.1	.0	.1	.1	.0	.7	.4	.1	1.0
AV	.5	.6	.6	.6	.8	.8	.7	.0	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.0	.1	.2	.4	.4	.4	.4	.5	.2	1.1
SD	.4	.4	.5	.6	.9	.4	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.4	.4	.3	.3	.4	.5	.4	.4	.2	1.1

DELTA T (C0119)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
SEP. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.2	.5	.7	.4	.7	.6	.0	.2	.3	.2	.3	.2	.4	.2	.2	.3	.2	.1	.0	1.0	.9	1.0	.6	1.3	.2	1.3
2	1.1	.7	.6	.9	.4	.9	.6	.2	.2	.2	.2	.3	.3	.2	.2	.3	.2	.1	.1	1.5	.3	.2	.3	.4	.2	1.1
3	1.9	.6	.2	.9	2.2	1.3	2.4	.7	.1	.1	.2	.2	.3	.2	.2	.2	.2	.0	.1	4.3	3.0	1.4	2.0	.7	.8	4.3
4	.5	.4	.7	.3	.4	.6	.5	.1	.2	.2	.1	.0	.2	.3	.1	.1	.1	.0	.1	1.5	1.0	.5	.5	.5	.2	1.5
5	.6	.8	.7	.4	.6	1.0	.9	.1	.2	.2	.2	.1	.2	.2	.2	.2	.1	.1	.3	1.0	1.4	.6	.7	.7	.4	1.4
6	.6	1.2	2.1	1.5	1.3	.7	.3	.8	.0	.3	.2	.3	.2	.2	.2	.2	.2	.1	.0	.3	.1	.1	.2	.1	.3	2.1
7	.1	.5	.0	.4	.8	.7	.4	.0	.2	.1	.1	.5	.6	.1	.2	.2	.4	.2	.1	.0	.0	.0	.0	.1	.2	.8
8	.0	1.0	1.0	.8	1.2	1.3	1.1	.7	.3	.3	.0	.2	.2	.2	.2	.2	.2	.1	.0	.1	.2	.6	.5	.1	.4	1.3
9	.1	.2	.1	.1	.3	.4	.4	.1	.1	.2	.2	.2	.3	.2	.2	.2	.2	.1	.1	.2	.2	.1	.1	.1	.4	.4
10	.2	.2	.1	.1	.2	.1	.2	.2	.2	.2	.2	.2	.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.4	.4
11	.4	.7	.5	.6	.5	.6	.5	.9	1.5	.3	.3	.3	.3	.3	.3	.3	.2	.1	.1	1.0	.1	.4	.1	.3	.1	.1
12	.1	.2	.1	.3	.3	.9	.7	.1	.1	.3	.2	.1	.2	.2	.2	.1	.1	.1	.0	.1	.7	.2	.3	.1	.1	.9
13	.0	.2	.1	.2	.3	.6	.3	.1	.1	.2	.1	.4	.4	.2	.2	.2	.2	.0	.2	.4	.7	.8	1.1	1.2	.2	1.2
14	1.0	1.0	1.1	1.2	.9	1.1	1.5	.5	.1	.2	.3	.2	.2	.2	.2	.2	.1	.0	.4	.9	.3	.8	2.1	1.9	.5	2.1
15	1.5	1.0	1.7	1.6	1.1	.8	.6	.1	.2	.3	.2	.2	.3	.3	.2	.2	.2	.0	.1	.1	.3	.3	.4	.2	.3	1.8
16	.3	.2	.4	.8	.9	.3	.5	.2	.1	.1	.3	.4	.4	.3	.3	.3	.2	.1	.0	.0	.0	.1	.3	.8	.1	.9
17	.1	.5	.6	.2	.3	.6	.2	.0	.1	.2	.2	.2	.3	.3	.2	.2	.1	.0	.3	1.8	.4	.4	.2	.2	.2	1.8
18	.9	.7	.6	.4	.6	.4	.4	.0	.2	.2	.2	.1	.2	.1	.3	.2	.0	.0	.1	.4	.2	.0	.1	.1	.1	.9
19	.1	.2	.2	.2	.1	.2	.1	.1	.2	.2	.2	.4	.4	.4	.2	.2	.0	.0	.1	.4	.2	.0	.1	.1	.0	.2
20	.1	.1	.4	.3	.3	.2	.2	.2	.2	.3	.3	.3	.4	.3	.2	.2	.1	.1	.1	.2	.3	.5	.4	.0	.7	.0
21	.2	.3	.3	.7	1.5	1.8	1.3	.0	.4	.3	.3	.3	.3	.3	.5	.4	.1	.0	.1	1.1	.5	.2	.2	.8	.2	1.8
22	.8	.7	1.0	.6	.9	1.3	.6	.0	.2	.2	.3	.2	.3	.2	.3	.3	.2	.1	.1	1.1	.5	.2	.2	.8	.3	1.3
23	.3	.0	.2	.2	.4	.2	.3	.1	.3	.2	.2	.3	.2	.2	.2	.2	.1	.0	.6	1.3	.8	1.0	2.2	.9	.2	1.3
24	.3	.8	.6	.1	.6	.4	.5	.0	.2	.2	.3	.4	.4	.5	.3	.3	.1	.0	.5	1.2	1.3	.6	.7	.6	.8	1.3
25	.8	.6	1.6	1.3	1.9	.8	.4	.1	.4	.3	.3	.3	.3	.3	.3	.3	.2	.0	.6	1.3	.6	.7	.6	.8	.4	1.9
26	.5	.5	.7	.7	.4	.2	.7	.0	.3	.2	.2	.2	.3	.3	.2	.2	.1	.0	.5	1.2	1.0	.6	.6	.6	.4	1.9
27	.9	.9	1.0	.8	.9	.5	1.2	.2	.2	.2	.2	.4	.4	.2	.2	.1	.1	.0	.8	.6	1.2	1.2	.4	.8	.3	1.2
28	1.1	.6	.9	.8	.2	.6	1.0	.3	.2	.2	.2	.3	.2	.2	.2	.2	.1	.0	.7	.9	1.2	.5	.7	1.2	.4	1.2
29	1.0	.8	1.1	.7	.5	.3	.1	.2	.1	.3	.2	.2	.2	.2	.2	.2	.1	.0	1.0	.4	.3	.5	.8	.8	.3	1.1
30	.5	.3	.2	.7	.1	.6	.5	.0	.2	.3	.3	.3	.2	.2	.2	.2	.1	.0	1.8	.6	.6	.5	.2	.4	.3	1.8
AV	.5	.5	.6	.6	.7	.7	.7	.1	.2	.2	.2	.3	.2	.2	.2	.2	.1	.0	.3	.7	.6	.5	.6	.6	.2	1.1
SD	.4	.3	.5	.4	.5	.4	.5	.3	.2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.3	.9	.6	.4	.6	.5	.2	1.1

AGOUT (29 JAN 81)

DELTA T (CC819)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 6

* FINAL DATA *
* AS OF 31/MAR/81 *

OCT, 1980

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	1.6	.9	.4	.9	.9	.5	.8	.4	-.2	-.2	-.3	-.2	-.2	-.2	-.2	-.0	.3	.7	1.4	.6	1.8	.9	1.0	.5	1.8	
2	1.4	.6	.4	.5	1.2	.6	-.2	-.2	-.3	-.4	-.4	-.2	-.2	-.1	-.1	-.1	.0	.3	.6	.6	.6	1.0	.6	.8	1.4	
3	.6	.4	.4	.5	.5	.0	.1	.3	-.2	-.2	-.2	-.3	-.2	-.2	-.2	-.1	.0	1.4	.9	.6	.3	.6	.6	.2	1.0	
4	.9	1.0	.5	.4	.2	.5	.6	.7	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.0	1.1	1.1	.8	.6	.6	.9	.4	1.1	
5	1.4	.7	.9	.6	.4	.2	.4	.2	-.1	-.3	-.3	-.0	-.1	-.2	-.2	-.0	.0	.9	2.6	1.2	.5	.7	.9	.4	2.6	
6	.5	.9	.6	.7	1.1	.7	.7	.4	-.3	-.2	-.3	-.3	-.4	-.2	-.2	-.1	.0	1.5	1.5	1.0	.4	.6	.3	.3	1.5	
7	.6	.8	.7	.5	.5	.6	.6	.5	-.2	-.3	-.1	-.3	-.2	-.2	-.2	-.1	.1	2.0	1.9	.6	.4	.4	.9	.4	2.0	
8	.7	.6	.7	.7	.6	.3	.5	.4	-.3	-.2	-.3	-.2	-.3	-.2	-.2	-.1	.0	1.1	2.1	1.1	.8	.5	1.5	1.1	.4	2.1
9	.9	.9	.2	.2	1.2	.6	1.1	.7	-.1	-.2	-.2	-.3	-.1	-.2	-.2	-.1	.1	2.3	2.7	2.2	1.2	1.3	.5	.4	2.7	
10	.5	1.2	1.4	1.1	1.8	.7	.4	.2	-.1	-.3	-.4	-.3	-.2	-.2	-.2	-.1	.1	.8	2.4	.9	.5	1.8	.9	.5	2.4	
11	1.1	.2	.3	.4	.7	.0	.6	.4	-.2	-.2	-.3	-.3	-.2	-.2	-.2	-.1	.3	.8	.1	.6	.5	.3	.4	.2	1.1	
12	1.1	.9	2.5	2.6	1.6	.9	.7	.7	.3	-.3	-.3	-.2	-.2	-.2	-.2	-.2	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.6
13	.4	.1	-.3	-.2	-.2	-.1	.0	.0	-.2	-.3	-.4	-.3	-.4	-.3	-.2	-.2	-.1	.1	-.1	-.1	-.2	-.1	-.2	-.2	.4	
14	.1	.2	.1	.0	.0	.1	.1	.2	-.3	-.3	-.4	-.3	-.3	-.4	-.3	-.2	-.2	.2	.2	.2	.2	.2	.2	.2	.4	
15	-.3	-.2	-.2	-.2	-.0	-.2	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.2	-.2	-.4	-.4	-.4	.0	
16	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	.0	
17	-.3	-.3	-.2	-.1	-.1	.0	-.1	-.2	-.4	-.4	-.4	-.5	-.5	-.4	-.4	-.4	-.4	-.2	-.2	-.2	-.2	-.1	-.2	-.1	.0	
18	.0	-.1	.1	.2	-.1	.2	-.2	-.3	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.2	-.2	1.0	1.0	.1	.1	.1	.1	.0	1.0	
19	.0	.2	.2	.3	.3	.0	.3	.3	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.2	-.1	.6	.8	.2	.3	.0	.1	.1	.6	
20	.3	.4	.4	.3	.3	.1	.6	.4	-.2	-.3	-.3	-.4	-.3	-.3	-.3	-.2	.0	1.4	.6	.6	.4	.0	.5	.2	1.4	
21	.3	.4	.4	.3	.3	.1	.6	.4	-.2	-.3	-.3	-.4	-.3	-.3	-.3	-.2	.0	.6	.7	.2	.8	.3	.5	.2	.6	
22	1.3	1.3	.4	.7	.6	.9	1.1	1.0	.6	.1	-.3	-.4	-.4	-.5	-.4	-.4	-.2	.6	.7	.2	.0	.4	.7	.2	1.3	
23	1.4	1.6	.9	1.3	.0	-.4	-.2	.0	-.4	-.5	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.2	.2	.5	.1	.5	.1	.2	1.6	
24	.2	.4	.0	.2	.1	.3	.2	.2	-.3	-.2	-.3	-.4	-.3	-.3	-.3	-.2	.2	.7	1.3	.5	.6	.3	.5	.1	1.3	
25	.3	.8	.6	1.0	.3	.9	.5	.4	-.2	-.3	-.4	-.5	-.4	-.4	-.4	-.4	.2	.8	.8	.5	.6	.3	.5	.1	1.2	
26	.0	.6	1.0	1.0	.3	.4	.7	.6	-.1	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.2	.2	.2	.2	.2	.2	.2	.2	1.2	
27	-.1	-.1	.0	-.2	-.2	-.1	-.1	.0	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.2	-.2	-.1	-.2	-.3	.0	1.0	
28	.1	.0	.1	.6	1.1	.5	.2	.2	-.2	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.2	-.2	-.2	-.2	-.2	.0	.0	
29	.1	.1	.1	.2	.3	-.1	.1	.7	-.2	-.3	-.4	-.3	-.3	-.4	-.3	-.2	.0	.1	.4	.1	.4	.1	.2	.1	1.1	
30	.4	.8	.2	.7	.6	.5	.4	.5	-.2	-.3	-.4	-.3	-.3	-.4	-.3	-.2	.1	.1	.5	1.2	.3	.5	.6	.3	1.2	
31	.5	.5	.5	.4	.4	.6	.5	.5	-.1	-.2	-.3	-.2	-.3	-.3	-.3	-.2	.1	.0	1.5	1.0	1.2	1.1	.8	.7	1.5	
AV	.5	.5	.4	.5	.5	.3	.3	.2	-.2	-.3	-.3	-.3	-.3	-.3	-.2	-.1	.5	1.8	1.4	.8	.6	.5	.4	.4	1.8	
SD	.6	.5	.6	.6	.5	.4	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.8	.9	.6	.5	.5	.4	1.1	

DELTA T (CC(19))

DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, M139

BONANZA, UTAH

SITE 6

NOV, 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	1.7	1.9	2.3	2.4	1.7	1.8	1.3	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	1.1	0.9	0.7	0.5	0.6	0.5	0.3	0.6	0.1	0.3	0.1	0.2	0.3	0.3	0.3	0.2	0.0	0.3	1.4	0.8	0.6	0.9	0.9	0.9	0.6	0.9
3	0.5	0.4	0.3	0.8	0.1	0.3	0.7	1.0	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.2	1.4	1.1	0.7	0.9	1.3	0.7	0.6	1.4
4	0.5	0.5	0.7	0.4	0.5	0.3	0.3	0.3	0.0	0.3	0.2	0.3	0.3	0.3	0.2	0.1	0.5	1.5	1.5	1.2	0.5	1.3	0.5	0.5	0.2	1.0
5	0.7	0.5	0.7	0.3	0.7	0.3	1.1	0.8	0.1	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.0	0.4	1.4	1.6	0.7	0.8	0.7	0.6	0.4	1.5
6	0.4	0.5	0.8	0.7	0.4	0.6	1.0	1.0	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.3	0.8	0.3	0.6	0.3	0.3	0.8	0.6	1.6
7	1.4	0.9	2.3	2.4	1.7	1.8	1.3	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
8	0.2	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.4	0.4	0.3	0.2	0.1	0.3	0.6	0.2	0.2	0.3	0.3	0.3	0.6
9	0.1	0.5	0.5	0.6	0.5	0.2	0.8	1.0	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.0	0.5	1.9	2.7	2.7	4.3	4.6	3.1	1.0	4.6
10	2.5	2.0	2.5	2.4	2.5	1.3	1.7	1.6	0.4	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.2	1.5	1.5	2.3	2.3	2.3	2.3	2.3	0.6	1.1
11	0.4	0.9	1.5	0.8	1.3	1.9	1.3	1.0	2.6	0.4	0.2	0.3	0.3	0.3	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.5	0.6	0.7	0.6	2.6
12	0.5	1.0	1.5	1.1	1.6	1.0	1.3	0.3	1.2	0.7	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.3	1.6
13	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
14	0.3	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
15	0.4	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
16	0.3	0.3	0.3	0.5	1.0	0.6	0.9	0.8	0.0	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.8	0.7	0.2	0.1	0.2	0.0
17	0.4	0.4	0.0	0.0	0.1	0.1	0.2	0.2	0.4	0.4	0.3	0.4	0.5	0.5	0.3	0.3	0.3	0.3	0.3	1.4	0.5	0.6	1.0	0.2	0.1	1.0
18	0.0	0.1	0.1	0.3	1.0	0.0	0.2	0.8	0.1	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.5	0.4	0.3	0.3	0.3	0.1	0.2	0.0
19	0.3	0.1	0.1	0.0	0.0	0.6	0.0	0.2	0.5	0.3	0.3	0.3	0.4	0.2	0.3	0.2	0.0	1.2	1.3	0.9	0.3	0.6	0.6	0.3	0.1	1.3
20	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.3	0.9	0.2	0.4	0.4	0.1	0.4	0.0	0.9
21	0.4	0.2	0.3	0.3	0.6	0.1	1.3	1.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.4	0.9	1.1	1.2	1.3	1.7	1.5	0.3	1.7
22	2.1	1.0	1.1	1.5	0.7	1.2	0.4	0.4	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.1	0.1	0.5	0.5	0.3	2.1
23	0.8	0.5	0.3	0.1	0.1	0.5	0.3	0.7	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.5	0.5	0.3	2.1
24	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.1	0.2	0.0	0.5	0.6	0.3	0.3	0.0	0.8
25	0.9	1.0	2.0	1.8	0.4	0.5	0.1	0.2	0.1	0.6	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.5	0.6	1.3	1.1	0.2	1.3
26	0.3	0.2	0.0	0.2	0.7	0.2	0.0	0.4	0.6	0.4	0.3	0.2	0.2	0.3	0.6	0.2	0.2	0.3	0.4	0.7	0.2	0.2	0.2	0.2	0.2	2.0
27	0.0	0.1	0.1	0.1	0.2	0.4	0.3	0.5	0.1	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.6	0.8	0.7	0.7	0.2	0.2	0.2	0.0	0.4
28	0.6	1.0	0.7	0.3	0.4	0.3	0.4	0.3	0.5	0.1	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.6	0.6	0.8	0.6	0.6	0.0	0.4
29	0.5	0.3	1.1	1.5	0.9	1.5	0.8	1.1	0.7	0.1	0.4	0.2	0.3	0.2	0.1	0.0	0.0	0.7	1.6	1.1	1.5	0.9	0.8	1.0	0.0	1.6
30	0.6	1.0	0.9	0.7	0.5	1.4	1.0	1.7	2.1	3.2	0.6	0.5	0.7	0.4	0.2	0.1	0.1	0.2	0.6	1.0	0.3	0.3	0.0	0.3	0.0	3.2
AV	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.7	0.5	0.7	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.7	0.6	0.5	0.6	0.6	0.6	0.6	1.1
SD	0.6	0.5	0.7	0.7	0.6	0.6	0.7	0.5	0.7	0.5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.6	0.7	0.5	0.9	0.9	0.9	0.9	1.1

ABOUT (29 JAN 81)

DELTA T (CCF19)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6
DEC. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.5	.7	.7	1.2	.8	1.2	.2	.0	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	.0	.4	.4	.5	.2	.7	.4	.1	.2	1.2	
2	.2	.7	.5	.1	.2	.6	.4	.7	-.2	-.3	-.4	-.4	-.3	-.2	-.2	-.2	.0	-.6	.8	1.0	.5	.4	.6	.1	.2	1.0	
3	.4	.4	.4	.4	.5	.9	.9	.4	-.1	-.2	-.3	-.3	-.3	-.1	-.1	.2	.0	.2	.4	.6	.2	1.5	3.0	2.5	.5	3.0	
4	3.2	2.9	3.4	2.4	2.8	1.1	1.3	-.1	-.1	-.2	-.3	-.4	-.4	-.3	-.2	-.2	-.2	-.2	.0	.6	.0	.0	-.1	.1	.1	.6	
5	.4	.3	-.1	-.1	.0	-.1	-.1	-.2	-.3	-.2	-.2	-.3	-.3	.0	-.1	-.1	-.1	-.1	.0	.0	.1	-.1	-.1	.1	.1	.6	
6	.0	-.1	.0	.0	-.1	-.1	-.1	-.2	-.3	-.3	-.5	-.5	-.3	-.4	-.3	-.3	-.2	-.2	.0	.1	.0	-.2	-.2	.0	-.2	.2	
7	.2	.4	.1	-.2	-.2	-.3	-.4	-.2	-.3	-.4	-.5	-.4	-.4	-.4	-.4	-.3	-.3	-.2	-.3	-.3	-.2	-.2	-.2	-.2	-.2	.4	
8	-.3	-.4	-.3	-.2	-.3	-.2	-.2	-.4	-.3	-.4	-.3	-.3	-.3	-.3	-.4	-.4	-.4	.0	.2	-.2	-.2	-.4	-.3	-.4	-.3	.2	
9	-.3	-.3	-.3	-.3	-.6	-.4	-.3	-.5	-.3	-.4	-.4	-.4	-.5	-.4	-.4	-.4	-.3	-.2	.0	.0	-.1	-.1	.0	.0	-.3	.2	
10	-.1	.0	.0	.0	-.1	.0	.0	.1	-.1	-.5	-.3	-.4	-.4	-.4	-.4	-.3	-.2	-.1	.6	.6	.3	.1	.3	.1	.0	.6	
11	.3	.6	1.0	.6	.7	.1	.6	.5	.2	-.3	-.3	-.8	-.4	-.4	-.3	-.3	-.2	.4	1.0	.9	.6	.8	.3	.5	.3	1.0	
12	.5	.4	.3	.5	.2	.4	.7	.7	.2	-.2	-.4	-.4	-.2	-.4	-.2	-.1	.2	.9	.5	1.3	.4	1.0	.9	.9	.3	1.3	
13	.4	.5	.4	.2	.2	.1	.3	.1	.3	-.4	-.3	-.4	-.2	-.3	-.2	-.1	.7	.8	.7	.9	.2	.7	.7	.9	.2	.9	
14	.3	.6	.7	.4	.5	.7	.1	.5	.1	-.3	-.3	-.3	-.3	-.3	-.3	-.1	.1	.4	.4	.4	.4	.4	.0	.3	.2	.7	
15	.4	.3	.3	.7	.8	.6	.7	.3	.3	-.3	-.3	-.3	-.4	-.3	-.2	.0	.5	1.4	2.0	1.4	1.0	.6	.3	.8	.3	1.4	
16	.8	.9	.6	.6	.8	.4	.7	.3	.3	-.3	-.3	-.3	-.3	-.3	-.3	-.1	.3	1.4	2.0	.7	.7	.8	.5	.4	2.0		
17	1.0	.7	.6	.1	1.1	1.2	1.1	.1	.3	-.3	-.3	-.3	-.3	-.3	-.3	.0	.5	1.7	1.3	1.7	1.0	.9	.9	.8	.5	1.7	
18	.6	.9	.9	1.4	1.1	.6	.9	.6	.6	.1	-.1	-.3	-.3	-.3	-.2	-.1	.1	1.0	.5	.7	.8	.5	.9	.5	.5	1.4	
19	1.0	.8	.8	.8	.9	.6	.7	.9	.9	.0	-.1	-.4	-.2	-.3	-.2	-.3	.0	.5	2.2	.5	1.0	.7	.9	.5	.5	2.2	
20	.4	.2	.5	.4	1.0	.8	.4	.4	.6	-.1	-.3	-.4	-.4	-.3	-.3	-.1	.4	1.4	.9	.9	.6	.6	.6	.6	.3	1.4	
21	.7	.6	.3	.0	.2	.3	.0	.6	.7	-.1	-.3	-.4	-.3	-.2	-.2	-.1	.4	1.4	.9	1.1	1.6	1.4	1.0	.7	.2	1.6	
22	.8	1.3	.8	1.4	2.2	2.0	.5	1.3	1.1	1.0	-.1	-.2	-.3	-.2	-.2	.0	.2	.4	.9	1.1	.8	.7	.0	.0	.7	2.2	
23	.2	.8	1.4	.7	.0	-.2	.1	.1	.0	-.3	-.3	-.4	-.4	-.3	-.3	-.2	-.1	.0	.7	.4	.1	.2	.2	.0	.1	1.8	
24	.1	1.0	.3	.1	.8	.5	.3	.4	.4	-.2	-.2	-.3	-.3	-.3	-.4	-.3	-.2	.0	.6	.5	.7	.4	.7	.1	.2	1.1	
25	1.0	.9	.6	.5	.8	.6	.7	1.1	1.6	-.2	-.1	-.2	-.3	-.3	-.3	-.2	.0	.1	.6	.4	.5	.7	.3	.1	.4	1.6	
26	.2	.3	.7	.5	.8	1.1	1.2	1.1	.2	.0	-.2	-.2	-.2	-.2	-.2	-.1	.3	1.4	2.0	.8	.9	.6	.4	.4	.5	2.0	
27	.4	.2	.6	.8	.3	.7	.9	1.0	.6	.1	-.3	-.3	-.3	-.3	-.3	-.2	.0	.1	.7	1.1	.9	.9	.5	.4	.1	.7	
28	.8	.7	.2	.3	.5	.7	.6	.7	.5	.0	-.2	-.3	-.3	-.3	-.3	-.1	.3	.6	.6	.4	.8	.9	.7	.7	.3	.8	
29	.7	.5	.6	.8	.7	.4	.6	.3	.4	-.1	-.2	-.3	-.3	-.3	-.3	-.1	1.1	1.5	.7	.6	.3	.5	.6	.4	.1	.5	
30	.6	.7	.5	.4	.5	.3	.6	.4	.7	-.2	-.3	-.3	-.3	-.3	-.3	-.1	.0	1.1	.8	.3	.8	.6	.5	.4	.1	.1	
31	.3	.0	.7	.8	.5	1.0	.2	1.0	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.1	.3	1.9	1.2	1.3	.8	1.0	.5	.5	.4	1.9	
AV	.5	.6	.6	.5	.6	.5	.4	.4	.3	-.1	-.3	-.3	-.3	-.3	-.3	-.2	-.1	.3	.8	.7	.6	.5	.6	.5	.3	1.1	
SD	.6	.6	.6	.6	.7	.5	.4	.5	.4	.3	.1	.1	.1	.1	.1	.1	.1	.4	.6	.6	.5	.6	.5	.6	.5	.2	1.1

SIGMA TETA (CC20)

DEGREES
LEVEL HEIGHT 30 METERS

WHITE RIVER SHALE PROJECT, #159
POHAWA, UTAH
SITE #
JAN, 1980
APPROVEMENT INC.

* FINAL DATA *
* AS OF 03/JAN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4	8	13	4	12	6	4	4	7	19	22	15	15	22	12	10	5	3	10	11	8	15	13	9	10	22
2	8	7	9	8	4	4	7	7	9	7	12	17	20	22	21	21	13	14	9	12	6	6	11	15	11	22
3	20	13	16	13	7	5	6	6	6	13	22	21	17	16	14	8	7	5	12	20	17	22	17	13	13	22
4	11	9	14	11	14	8	13	12	13	10	19	22	20	16	21	16	11	5	4	7	16	20	21	12	14	22
5	11	7	13	25	25	7	5	7	9	17	22	22	20	18	20	14	20	7	4	18	25	21	15	15	15	25
6	13	12	15	14	5	10	14	14	8	7	9	10	12	11	7	7	7	6	8	11	9	4	7	13	10	15
7	10	14	9	12	12	9	15	10	9	9	17	25	25	20	11	8	5	12	5	5	6	7	15	12	25	14
8	14	10	13	10	9	7	6	8	14	17	13	13	12	13	23	10	16	20	23	18	24	17	12	14	24	14
9	13	13	12	7	6	8	10	7	8	8	9	9	9	9	9	11	10	9	14	15	9	9	7	9	10	15
10	12	11	9	6	8	9	10	10	10	10	9	10	11	9	8	7	7	7	8	8	8	7	16	12	9	18
11	12	5	5	5	5	5	6	10	8	10	21	23	26	23	21	10	10	8	11	6	6	8	5	7	11	25
12	12	8	10	8	8	6	6	5	7	10	12	10	12	12	14	14	14	16	14	16	9	14	17	12	11	17
13	8	13	13	16	13	13	13	12	15	17	16	11	9	7	13	15	10	8	14	17	9	12	13	13	11	17
14	11	8	9	8	10	9	9	10	8	6	7	10	9	13	10	7	8	9	9	5	16	12	14	9	16	14
15	8	9	8	5	10	14	13	12	6	6	15	9	11	11	10	13	7	6	8	15	6	9	4	6	9	15
16	12	6	4	5	5	8	6	6	5	12	12	9	8	13	6	4	5	6	10	5	5	3	4	6	7	13
17	6	4	13	7	13	6	5	12	6	11	17	14	8	6	6	7	9	5	5	9	9	6	4	4	4	17
18	5	7	7	8	7	18	12	5	3	4	7	10	16	8	5	6	5	7	11	10	6	6	6	9	4	18
19	5	7	7	12	12	13	11	9	10	12	18	15	10	12	7	8	8	14	6	6	6	9	13	6	10	18
20	11	15	8	6	6	9	7	11	8	15	18	14	9	12	10	16	12	5	4	7	7	13	13	10	10	18
21	14	12	12	11	6	8	8	11	11	10	10	10	14	14	23	18	9	5	5	6	7	6	5	6	10	23
22	8	11	6	5	4	7	7	7	7	9	13	25	25	18	29	17	14	6	4	5	11	5	6	4	11	24
23	4	7	5	7	7	5	19	9	8	22	27	18	13	9	12	13	18	9	13	18	14	15	12	12	12	27
24	13	14	14	14	12	18	22	13	17	18	22	22	26	22	14	21	16	9	10	15	21	15	18	17	26	26
25	16	18	21	18	9	10	7	17	23	18	21	26	27	27	21	13	12	4	9	9	7	7	9	7	15	27
26	4	4	10	7	13	11	9	7	11	19	25	18	17	12	8	6	6	7	9	12	7	9	11	6	10	25
27	12	18	9	7	8	10	8	8	18	14	20	12	15	23	19	14	11	6	10	12	7	9	11	6	10	25
28	9	10	9	7	5	11	6	13	11	10	8	5	5	6	6	9	7	5	8	6	7	5	7	6	7	13
29	5	10	9	6	5	4	4	3	4	6	7	13	16	9	10	9	14	8	6	17	21	12	17	22	10	22
30	13	5	5	4	6	8	7	5	10	10	18	19	20	15	14	16	13	16	12	14	4	12	5	11	20	22
31	5	8	5	4	3	9	9	10	12	17	23	14	22	21	14	14	6	6	11	5	4	13	10	13	11	24
AV	10	10	10	9	9	9	9	9	10	12	16	15	15	15	14	12	10	8	9	11	10	11	12	10	11	11
SD	4	4	4	5	4	3	4	3	4	5	6	6	6	6	6	4	4	4	4	5	5	5	5	4	5	2

* 21 JAN 81 *

SIGMA THETA (CC:20)

DEGREES
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, W139
HONANZA, UTAH
SITE 6

FEB, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	9	10	17	18	16	13	14	12	14	9	14	17	9	7	12	5	8	12	6	12	6	12	11	11	1A
2	9	12	10	15	12	12	12	9	6	7	11	11	12	12	17	23	13	11	7	9	11	12	10	9	11	23
3	14	12	10	11	13	10	17	7	16	14	10	17	13	13	14	8	4	5	7	9	12	21	13	12	12	21
4	10	13	8	9	12	14	15	9	22	13	20	23	14	10	5	7	8	9	8	11	13	11	11	8	12	23
5	9	8	7	9	8	15	14	14	13	18	14	16	13	10	10	4	3	4	7	11	12	11	13	11	11	1A
6	10	18	14	12	13	18	12	8	6	14	18	14	11	16	14	7	5	4	4	11	15	8	10	13	11	1A
7	7	15	10	14	5	4	3	3	5	10	11	8	9	13	20	21	17	16	13	17	13	11	14	22	12	22
8	17	10	14	7	7	7	6	4	6	13	12	10	10	7	6	9	12	9	7	9	5	4	9	6	9	17
9	5	5	4	4	3	5	5	11	17	17	24	11	11	9	9	7	5	4	4	7	6	12	6	3	4	24
10	4	10	6	10	10	8	11	6	13	16	24	25	24	13	10	7	5	4	5	6	7	12	4	4	11	25
11	4	6	5	7	13	14	11	7	5	21	13	17	12	10	9	6	5	4	3	4	6	7	3	7	4	21
12	4	11	7	6	6	5	11	8	12	14	12	8	10	11	9	6	4	3	6	17	14	13	11	11	9	17
13	9	11	13	5	9	10	7	23	16	16	19	16	20	17	11	9	12	5	4	4	4	8	6	12	11	23
14	21	9	5	6	12	8	10	21	18	16	15	17	12	11	12	8	7	4	7	14	12	13	9	16	12	21
15	8	7	17	13	13	6	10	12	6	18	12	19	15	12	7	8	4	4	6	16	15	14	21	23	12	23
16	14	13	25	17	19	16	15	10	13	8	25	26	21	26	19	17	10	7	12	13	15	12	14	15	16	26
17	9	8	10	14	8	5	10	7	18	13	8	9	15	10	17	14	19	5	9	8	9	13	14	11	11	19
18	12	17	15	8	8	13	14	10	12	16	11	8	10	9	7	7	6	9	7	12	8	7	4	6	10	17
19	12	11	9	7	7	10	14	23	11	5	17	14	10	11	14	9	9	14	14	11	7	21	13	11	12	23
20	4	3	12	7	7	14	9	13	9	9	13	11	10	9	10	12	8	8	11	14	5	4	4	3	9	14
21	6	5	12	13	9	15	5	5	23	26	14	9	17	15	10	11	7	4	3	6	8	7	9	21	11	24
22	11	17	12	7	3	4	3	5	11	11	11	12	10	14	15	10	12	7	7	9	8	10	9	11	10	17
23	5	9	10	7	10	8	6	5	10	11	34	15	9	10	14	12	10	15	9	8	13	13	9	11	11	34
24	11	8	8	10	5	8	6	5	12	21	18	24	27	16	21	17	32	27	10	10	12	7	9	5	14	32
25	7	5	4	5	3	4	4	5	7	12	16	16	20	17	15	16	12	7	6	7	12	8	11	5	9	20
26	5	1	7	4	7	9	5	10	9	26	18	13	16	14	15	23	18	8	6	10	8	10	4	4	11	26
27	4	4	5	7	12	7	4	4	24	28	22	19	16	11	9	8	9	8	9	9	14	3	6	4	11	28
28	3	4	5	4	3	7	8	7	18	13	13	9	10	13	25	12	14	9	8	7	8	5	5	5	9	25
29	10	10	18	8	7	6	7	13	13	11	11	15	22	29	19	10	7	6	7	6	7	13	7	8	12	29
AV	9	9	10	9	9	10	9	10	12	15	16	15	14	13	13	12	10	8	7	10	10	9	10	10	11	11
SD	4	4	5	4	4	4	4	5	5	5	6	5	5	4	5	6	6	5	3	3	3	4	4	5	5	5

SIGMA THETA (CCP20)

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #159
HONANZA, UTAH
SITE 6

MAR, 1980

AEROSURVEILLANCE INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	10	7	9	13	8	5	6	6	7	12	11	12	13	17	24	21	13	16	6	6	7	11	4	4	10	24	
2	7	6	7	9	4	4	6	4	20	12	18	16	14	16	16	10	11	13	17	13	17	11	19	7	5	11	20
3	5	11	9	5	11	11	12	11	11	10	34	23	11	9	9	9	10	9	19	19	8	26	15	15	11	13	34
4	10	9	10	12	5	4	4	6	8	22	17	18	12	8	10	15	8	7	11	7	8	9	13	5	10	22	
5	5	7	10	3	5	14	15	22	10	18	10	11	11	11	9	9	8	11	8	10	10	10	8	10	22	10	22
6	8	8	8	7	8	8	6	6	10	20	25	11	6	5	6	17	12	16	11	5	5	19	10	13	11	25	
7	11	11	10	9	11	21	8	15	8	20	17	12	9	11	11	17	14	13	7	6	6	9	13	5	11	21	
8	7	11	13	11	7	11	5	10	14	13	15	12	8	10	10	9	14	10	8	6	6	9	8	6	10	15	
9	7	3	8	6	5	6	9	11	11	16	10	15	9	10	10	10	10	7	11	7	5	6	6	8	9	16	
10	7	11	7	7	10	7	7	4	6	25	38	24	18	40	17	13	8	7	10	10	10	11	6	10	18	12	29
11	6	3	4	5	4	7	7	4	6	25	38	24	18	40	17	13	8	7	10	10	10	11	6	10	18	12	29
12	6	7	7	9	7	8	8	8	7	10	8	7	8	9	8	8	7	6	8	13	9	9	12	6	6	8	13
13	7	8	10	6	5	6	6	6	18	16	19	26	22	13	13	11	9	6	10	9	18	19	23	18	13	26	
14	13	7	11	5	5	6	4	5	12	16	17	15	12	8	15	14	9	11	10	11	8	7	9	22	11	22	
15	16	25	30	32	41	17	11	14	10	13	27	18	9	17	13	10	10	11	12	11	15	24	10	7	17	41	
16	7	9	8	9	10	11	15	13	12	13	9	10	9	8	9	12	11	7	6	6	9	16	25	8	11	25	
17	8	6	6	6	9	5	8	11	20	22	40	37	27	16	16	18	18	14	9	7	6	5	5	9	14	40	
18	11	5	5	7	22	12	10	15	21	19	19	14	13	14	12	12	12	7	6	5	11	6	3	9	11	22	
19	9	4	5	4	9	5	4	11	15	30	13	11	13	11	9	8	7	6	6	6	7	10	7	13	9	30	
20	14	7	6	6	4	6	5	7	17	46	31	21	30	31	18	14	22	11	15	7	6	9	6	8	14	46	
21	4	5	12	16	9	20	16	8	22	15	9	10	10	11	12	16	9	9	8	10	15	9	7	7	11	22	
22	11	12	13	10	11	6	9	9	5	11	17	11	14	10	11	8	10	9	8	7	13	7	22	17	11	22	
23	12	16	7	7	9	19	4	6	27	26	23	22	34	31	14	16	23	14	6	14	13	6	16	22	16	34	
24	11	5	5	6	13	9	15	15	26	40	34	12	10	12	11	8	12	9	6	10	5	1	3	12	40		
25	1	1	1	1	1	1	1	1	1	1	1	29	5	5	15	15	14	10	1	0	0	8	6	7	5	29	
26	6	11	6	7	5	3	4	7	9	20	23	38	40	24	23	23	21	9	6	5	4	8	7	5	13	40	
27	5	8	7	4	5	4	5	12	27	19	29	38	26	20	20	12	7	6	8	7	9	10	6	11	13	38	
28	6	12	8	4	4	5	8	11	5	15	16	7	6	7	7	10	7	8	9	8	6	6	14	21	9	21	
29	10	15	9	19	16	7	4	7	24	36	34	21	15	21	38	37	38	16	8	12	6	6	6	6	18	34	
30	7	12	24	17	17	9	6	10	12	8	7	11	9	7	7	7	8	11	10	11	9	8	10	7	10	24	
31	5	6	10	12	13	9	7	6	13	25	33	33	30	31	23	27	22	25	21	17	20	13	7	7	17	33	
AV	8	9	9	9	9	9	8	9	14	19	20	18	15	15	19	14	13	11	9	9	9	10	10	10	12	11	
SD	3	5	5	6	7	5	4	4	7	4	10	9	9	9	7	6	7	6	4	4	4	6	6	6	5	11	

ADDDT (21 JAN 81)

SIGMA THETA (CC:PO)

DEGREES
LEVEL HEIGHT 1.30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
APR, 1980
AERONAVIGATION INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	4	5	7	16	17	12	9	8	17	23	31	27	22	31	34	20	11	7	7	7	7	9	13	15	15	34		
2	14	18	8	5	5	6	7	7	10	8	8	9	11	11	11	8	9	6	6	7	8	13	7	7	9	18		
3	5	5	7	7	5	6	6	6	30	34	42	35	28	16	19	18	15	15	6	11	7	5	4	4	14	42		
4	15	23	8	7	8	15	5	6	22	25	20	22	24	21	20	17	11	12	7	4	4	6	6	7	13	28		
5	5	4	5	7	11	6	12	10	14	12	23	13	19	12	10	9	9	10	13	15	12	8	6	11	23			
6	9	10	10	9	8	6	7	10	13	11	16	10	8	7	7	7	7	6	9	14	6	7	10	9	16			
7	9	7	7	13	13	7	6	6	7	8	7	7	9	12	8	8	6	6	6	6	7	12	14	6	14			
8	5	5	4	3	5	11	4	26	35	22	28	27	23	13	12	16	29	31	10	6	4	9	25	10	15	35		
9	3	3	3	4	4	5	8	13	28	37	36	20	21	16	13	12	11	9	9	5	7	16	16	10	13	37		
10	17	7	17	14	13	14	9	11	9	9	12	9	12	8	11	7	7	7	10	6	9	7	8	6	10	17		
11	6	16	17	20	15	31	27	23	16	30	20	10	8	8	10	9	9	8	7	10	10	10	8	6	14	31		
12	8	8	5	11	5	6	5	33	40	48	29	23	21	17	17	14	9	8	7	7	8	9	6	3	14	88		
13	6	11	16	9	7	5	9	15	19	28	32	28	33	27	38	28	23	21	17	4	4	4	4	4	8	17	38	
14	4	4	7	4	3	5	10	17	28	30	22	24	29	27	23	18	30	20	10	5	12	5	3	5	10	30	28	
15	11	5	4	6	6	5	7	10	28	19	21	24	13	11	11	9	9	7	6	6	5	6	10	10	10	28		
16	11	7	8	5	6	18	10	11	27	33	35	38	27	21	23	20	16	14	13	6	13	5	4	4	16	38		
17	3	3	3	4	3	3	3	21	38	33	22	22	19	27	31	23	24	16	5	5	11	10	4	5	14	38		
18	7	6	3	3	4	5	3	24	38	21	16	18	32	24	29	15	11	8	6	11	18	8	8	5	15	38		
19	5	4	7	4	4	7	4	12	28	24	22	17	16	14	16	14	12	7	6	4	9	6	4	11	28			
20	6	6	3	4	4	4	10	21	20	27	19	22	15	16	14	13	13	10	9	4	5	5	7	7	11	27		
21	6	6	6	11	7	6	6	7	9	10	8	15	13	14	10	9	9	15	30	27	23	9	9	9	15	12	30	
22	17	6	6	11	13	14	5	8	18	27	13	14	10	9	9	9	9	8	6	6	19	8	7	17	11	27		
23	10	6	10	5	5	16	15	12	7	11	20	19	11	15	10	8	8	9	7	6	14	21	14	6	11	21		
24	6	6	5	5	6	6	7	11	13	11	12	16	13	10	11	12	9	7	6	5	7	8	9	31	10	31		
25	14	26	11	27	13	17	19	18	13	34	30	29	34	21	28	12	9	9	8	7	7	6	5	10	17	38		
26	11	16	21	9	5	7	8	13	25	32	19	32	41	45	00	22	13	9	6	7	5	5	5	7	18	45		
27	6	8	4	4	4	3	6	15	17	29	39	32	36	39	22	23	21	22	9	5	12	18	21	9	17	39		
28	6	4	4	5	6	8	10	19	22	28	36	22	15	19	11	11	11	11	9	5	6	6	10	9	12	36		
29	5	4	4	7	11	18	21	11	16	16	23	25	11	11	14	13	16	12	8	6	6	6	11	18	13	31		
30	4	5	5	4	4	14	8	6	17	34	32	21	20	14	14	16	10	12	17	8	8	8	9	9	13	34		
AV	8	8	8	8	7	10	9	14	20	24	23	21	20	18	17	16	14	12	10	7	9	9	9	9	9	13	1	
SD	4	6	6	5	4	6	5	7	9	10	9	9	9	9	9	8	7	5	4	4	4	4	5	5	5	3	1	

SIGMA THETA (CC120)

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #159
HONANZA, UTAH
SITE 6

MAY, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 03/JUN/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	7	7	4	5	7	16	10	9	10	11	13	21	24	21	12	6	10	17	8	23	5	4	8	11	20
2	6	5	5	8	4	12	15	30	22	23	30	21	11	13	12	13	12	18	13	13	6	11	6	6	13	30
3	6	5	4	9	6	4	5	7	20	21	28	24	22	20	17	18	38	16	14	9	6	8	9	8	19	38
4	18	13	13	7	4	4	4	8	26	36	20	46	31	21	13	10	13	11	9	8	9	17	7	13	15	46
5	9	16	7	11	5	6	10	9	31	24	18	31	25	21	13	9	9	9	13	6	9	6	7	6	13	46
6	4	4	4	4	4	4	6	9	38	25	22	24	34	15	10	6	9	7	7	7	7	5	10	17	12	58
7	17	4	4	4	4	7	10	14	28	23	11	8	8	8	10	13	9	9	11	8	7	11	13	8	10	28
8	4	7	9	9	5	5	4	5	12	17	24	17	16	22	25	23	27	9	9	8	8	8	7	11	12	27
9	13	8	12	12	6	6	11	13	28	18	11	9	10	10	10	9	10	7	8	10	6	6	12	13	11	28
10	14	9	8	10	14	10	23	12	22	17	11	15	11	10	10	9	9	10	7	7	9	8	20	8	12	23
11	10	18	8	13	9	6	7	16	29	32	26	16	13	11	10	9	10	10	11	8	7	15	8	24	14	32
12	13	8	23	34	33	11	11	10	11	11	10	10	11	13	13	14	10	8	10	7	10	9	8	12	13	34
13	9	16	11	6	5	5	10	9	13	19	24	15	21	21	21	35	12	7	8	5	3	5	6	6	12	55
14	5	6	5	4	2	3	7	19	25	25	23	29	26	36	18	8	8	8	7	8	9	15	9	9	11	36
15	4	5	5	6	5	4	12	21	22	23	36	32	24	15	12	21	17	15	19	9	12	11	8	6	14	36
16	8	8	5	4	7	4	6	20	39	28	26	30	27	10	15	11	10	9	9	7	10	7	16	17	14	39
17	8	6	11	10	9	8	11	8	8	18	29	31	21	21	34	42	18	13	10	5	10	6	6	10	15	42
18	5	4	3	4	3	4	6	20	30	30	26	24	22	22	35	27	26	40	14	6	6	12	5	4	16	40
19	5	6	5	4	4	6	7	17	25	19	20	21	20	22	22	24	17	18	15	6	9	14	8	4	19	25
20	4	4	4	3	3	4	5	12	29	24	23	33	28	36	33	22	15	10	10	5	6	13	6	6	14	36
21	4	4	3	4	4	3	7	12	25	24	30	30	27	20	26	37	20	36	29	7	13	5	5	6	14	37
22	4	3	7	9	7	5	7	23	13	22	27	18	18	14	11	9	10	11	9	11	14	24	22	9	13	27
23	9	26	16	9	8	11	11	10	12	10	10	11	11	11	12	10	9	9	9	7	6	8	10	8	11	26
24	9	9	10	11	10	10	11	10	10	10	10	10	11	10	11	11	10	10	8	9	10	9	9	8	10	11
25	9	7	9	9	20	9	8	11	10	10	11	11	11	12	14	11	9	8	7	14	6	5	7	5	10	20
26	3	8	4	7	4	7	13	14	21	31	31	33	26	15	15	24	12	12	18	12	7	9	12	5	13	33
27	5	5	5	4	11	11	16	30	29	14	10	11	12	11	12	13	12	9	8	6	6	4	4	4	11	30
28	6	12	12	4	7	8	14	40	20	10	12	12	12	10	10	10	10	10	10	7	9	6	11	9	7	40
29	8	8	9	17	10	8	9	8	19	23	15	15	11	11	12	11	13	14	10	7	9	8	7	15	11	23
30	11	15	8	8	6	5	7	27	30	33	23	23	26	16	11	13	12	11	9	8	5	8	6	6	14	33
31	5	16	8	6	8	8	11	9	16	22	37	16	15	23	16	11	10	8	17	11	7	8	5	24	13	37
AV	8	9	8	8	8	7	9	15	21	21	21	19	17	16	16	13	13	12	11	8	8	9	9	9	13	11
SD	4	5	4	6	6	3	4	8	9	7	8	9	7	7	7	9	7	7	5	2	4	8	8	5	2	11

SIGMA META (CCT20)

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #159

BORANZA, UTAH

SITE 6

JUN, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	14	5	5	4	6	5	11	22	16	21	21	11	11	15	17	13	16	19	14	8	7	11	6	6	12	22	
2	5	5	8	15	13	14	17	14	27	11	15	16	13	14	13	12	12	10	9	8	7	4	5	5	11	27	
3	3	4	3	3	3	5	5	9	9	11	11	11	11	11	11	10	12	11	10	8	6	6	8	4	8	12	
4	5	4	6	6	5	3	23	33	15	10	10	11	12	11	12	13	12	11	11	9	8	7	7	6	10	33	
5	5	9	5	6	5	7	18	33	15	17	12	13	12	14	13	12	12	11	8	8	8	7	8	9	11	33	
6	12	19	13	4	9	27	10	11	11	11	11	11	12	14	13	13	9	8	8	8	8	7	7	8	11	27	
7	14	10	9	7	5	9	19	10	28	28	30	28	25	20	26	29	17	23	9	5	6	11	7	4	16	30	
8	4	5	5	3	3	3	6	26	26	22	31	27	30	25	26	24	13	10	8	5	8	8	14	8	14	31	
9	7	5	5	5	5	4	9	29	25	22	22	34	22	19	16	31	16	13	6	6	6	6	10	6	15	34	
10	7	10	10	5	4	3	8	26	27	20	22	24	20	17	13	14	14	12	12	8	7	4	15	21	13	27	
11	18	13	24	26	7	4	13	26	17	19	13	10	10	13	13	14	12	12	13	11	8	7	7	7	13	24	
12	7	23	15	15	5	6	7	13	12	13	11	14	13	13	14	12	12	12	10	10	7	6	14	13	12	23	
13	4	5	4	5	4	3	7	28	14	22	16	12	13	13	13	14	12	11	10	9	8	6	9	10	11	28	
14	18	9	12	9	10	5	15	35	19	17	15	11	12	13	11	11	12	13	9	7	7	7	8	8	12	35	
15	9	10	9	9	19	18	9	17	39	21	17	12	19	20	12	10	11	10	8	7	7	7	12	30	14	39	
16	10	12	11	11	5	5	9	10	19	34	23	19	19	21	23	14	17	15	8	5	12	7	7	12	30	14	39
17	3	3	5	3	3	4	8	27	28	19	31	29	30	26	25	14	11	10	11	6	5	6	6	5	13	31	
18	6	7	5	3	3	4	8	26	29	17	16	12	16	29	29	19	14	11	7	9	12	9	17	6	13	29	
19	7	8	13	6	6	7	7	16	18	12	37	26	17	12	9	9	10	12	10	9	13	8	6	6	12	37	
20	6	6	7	4	4	4	6	35	30	23	23	21	17	28	19	15	13	13	9	8	8	5	5	10	13	35	
21	10	8	5	4	5	8	6	23	15	12	13	20	23	17	14	14	10	8	7	6	6	7	16	6	11	23	
22	6	5	5	5	6	4	9	21	20	24	20	28	16	29	19	14	15	14	12	9	7	3	5	5	18	29	
23	8	8	6	8	8	7	7	9	10	9	10	10	11	13	12	11	12	11	10	9	7	9	12	13	9	13	
24	5	4	4	3	5	6	6	22	14	17	25	16	13	13	12	12	12	10	12	8	7	5	3	4	10	25	
25	4	17	8	18	1	4	10	17	25	22	20	13	11	13	14	12	11	10	9	9	6	6	6	6	12	25	
26	8	8	8	9	6	3	9	13	17	12	11	13	13	14	13	13	14	12	12	9	8	8	8	21	11	21	
27	10	7	6	9	8	9	6	13	15	19	19	26	11	10	9	9	9	7	7	6	6	8	8	10	11	26	
28	9	6	5	4	3	3	6	16	10	36	32	27	20	18	15	21	16	19	23	11	10	5	27	9	15	36	
29	4	4	4	5	6	6	9	15	16	16	14	14	10	13	16	13	10	7	7	8	14	8	4	8	10	18	
30	9	4	15	16	17	13	16	21	14	10	10	8	10	20	18	12	10	7	3	8	17	14	13	13	13	21	
AV	8	8	8	8	6	7	10	20	18	19	18	16	17	16	14	13	12	10	8	8	7	10	9	12	11		
SD	4	5	4	5	4	5	4	4	4	7	7	4	6	5	8	0	0	3	3	2	3	3	6	6	2	11	

SIGMA THETA (C.L.P.20)

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
MORGANZA, UTAH
SITE #

JUL, 1980

AEROMOBILITY INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	6	4	18	15	7	7	10	19	17	9	17	28	21	13	7	12	10	7	7	6	6	9	7	12	24
2	8	14	12	5	18	6	9	11	15	19	26	22	22	10	19	23	13	25	16	8	7	7	5	6	13	26
3	6	6	8	13	19	13	13	20	22	13	15	19	17	26	21	25	12	15	15	8	8	12	14	17	15	26
4	10	14	13	8	6	10	9	18	25	43	18	22	17	12	16	34	29	17	22	8	4	5	7	8	16	43
5	8	22	14	8	5	5	5	12	30	14	14	14	18	14	13	10	10	10	9	8	4	5	7	12	11	30
6	12	8	4	4	3	3	9	25	29	18	17	30	26	21	13	12	12	10	9	9	6	6	7	8	13	30
7	7	8	5	5	7	5	9	12	20	33	25	36	13	10	9	9	9	8	8	9	6	10	13	11	12	36
8	9	7	9	13	13	17	11	16	14	13	12	11	14	18	15	12	9	8	7	14	7	6	7	6	11	18
9	7	4	5	4	3	4	8	20	17	22	20	21	18	24	39	26	29	21	12	12	10	5	22	9	15	39
10	6	4	5	5	4	4	5	24	26	27	30	22	20	16	13	13	12	8	13	10	19	27	12	7	14	30
11	5	3	4	4	5	6	7	18	23	18	20	16	19	19	17	8	12	15	10	5	26	25	7	6	12	26
12	4	10	5	4	8	22	16	17	10	10	12	10	15	11	10	12	9	8	9	9	6	7	9	7	10	22
13	18	14	15	9	18	9	8	16	23	11	15	24	15	16	8	9	7	10	6	7	5	12	6	7	12	24
14	19	8	5	6	10	14	11	24	20	13	15	19	17	14	13	11	10	13	9	10	7	15	12	11	13	24
15	7	5	4	9	12	5	5	33	39	22	20	10	17	14	13	12	9	8	6	6	7	10	9	10	12	39
16	7	6	4	3	4	5	8	17	18	15	18	29	19	14	20	24	14	21	15	8	9	9	4	8	12	29
17	6	6	3	3	3	5	7	27	27	17	14	11	16	13	24	24	11	9	7	7	6	9	4	12	11	27
18	16	16	23	26	16	10	10	9	26	47	34	22	15	12	17	15	12	13	11	7	4	5	20	13	17	47
19	14	16	19	8	15	17	11	15	13	13	13	12	11	15	13	10	9	7	7	7	7	5	7	17	12	19
20	12	5	6	6	6	9	13	20	12	25	24	25	22	22	18	13	14	16	12	7	6	13	17	7	18	25
21	5	5	6	5	5	5	17	18	8	15	23	24	22	22	14	11	11	9	7	7	7	6	7	7	11	24
22	6	5	6	5	12	7	7	24	28	20	20	15	10	12	12	12	10	8	7	8	8	8	9	9	11	28
23	16	15	10	13	8	8	7	17	30	42	37	19	24	25	14	9	9	9	8	7	6	5	10	14	15	42
24	4	3	5	3	4	3	5	11	19	14	32	22	21	18	10	10	16	13	8	8	7	8	15	5	11	32
25	5	4	4	4	4	4	9	13	22	21	18	17	22	15	17	16	22	15	10	5	5	7	6	6	11	22
26	8	9	7	7	9	4	5	14	28	15	25	34	18	17	14	12	12	10	9	12	7	16	10	6	13	39
27	5	6	6	4	3	5	8	21	35	27	29	30	33	29	25	25	13	12	14	12	9	8	8	8	16	35
28	7	4	4	4	3	7	8	22	16	18	21	30	27	23	14	11	15	16	14	8	14	7	4	7	13	30
29	8	5	3	4	4	7	11	18	17	17	20	17	14	11	9	10	8	8	12	25	21	12	4	7	12	25
30	10	16	14	5	5	4	12	19	32	27	29	17	17	16	15	13	10	11	11	25	23	17	6	7	15	32
31	6	5	7	6	6	4	6	11	24	26	25	26	26	26	26	24	21	8	7	8	7	9	8	5	18	26
AV	9	8	8	7	8	8	9	18	22	21	21	19	17	16	15	13	12	10	9	9	10	9	9	9	13	11
SD	4	5	5	5	5	5	3	5	7	4	7	5	5	6	6	7	5	3	4	4	6	5	4	3	2	11

STOMA THERM (CONT)

DEGREES

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

AUG, 1980

AERVIROUMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

LUCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	5	4	4	5	5	7	20	16	17	33	18	18	16	16	12	9	9	17	7	7	17	13	9	12	33
2	3	9	13	4	4	5	4	10	20	20	22	22	16	14	13	16	17	9	8	7	7	14	13	5	11	22
3	8	5	5	7	4	7	21	29	29	25	17	16	10	12	9	8	8	8	8	8	8	10	10	10	12	29
4	10	13	20	7	8	13	6	16	24	14	15	14	15	14	16	13	9	6	6	6	7	9	6	5	12	29
5	5	5	5	6	4	4	5	15	27	17	14	11	12	15	27	31	14	10	8	6	3	8	8	15	12	31
6	12	32	10	7	5	12	11	26	34	11	11	15	23	14	13	14	15	10	7	5	3	4	4	9	14	34
7	12	5	4	8	3	4	20	16	17	14	19	20	20	20	28	25	18	23	13	10	8	5	8	8	13	28
8	6	5	11	9	5	5	4	11	16	20	17	26	17	14	14	13	11	14	11	10	10	13	16	25	13	28
9	15	9	10	7	12	14	10	12	12	13	10	15	20	20	16	10	9	9	7	5	14	16	8	11	12	20
10	7	6	5	7	7	7	6	14	32	34	33	29	14	11	10	10	10	9	7	7	6	8	10	5	12	30
11	5	10	5	5	4	4	5	13	19	17	24	21	16	19	19	19	20	27	15	5	9	10	5	6	13	27
12	6	6	5	0	14	13	7	17	20	22	13	13	9	9	27	23	14	15	7	5	12	9	8	15	12	27
13	18	8	7	21	26	11	6	17	25	34	21	26	19	23	13	13	11	8	14	15	14	8	11	11	14	30
14	10	9	8	19	15	11	5	8	31	20	21	19	20	20	19	13	13	10	11	7	14	9	8	22	14	11
15	20	11	16	18	11	8	8	19	17	27	14	9	13	9	10	8	7	8	15	7	6	20	7	7	12	27
16	5	5	5	5	6	7	5	8	20	19	13	17	13	24	17	11	11	12	9	5	5	8	18	12	11	20
17	7	14	6	5	6	5	3	9	33	33	30	20	24	26	15	18	17	25	15	7	10	5	6	6	14	33
18	4	12	15	10	24	11	17	18	15	18	15	13	12	12	12	12	12	10	10	9	8	6	6	6	12	29
19	6	8	6	7	8	7	6	10	10	11	10	10	11	7	8	9	16	8	8	10	9	7	8	8	9	16
20	22	16	6	5	6	5	6	8	22	15	21	19	16	24	22	27	40	18	8	7	15	6	9	6	15	40
21	3	4	5	3	3	3	3	11	34	18	19	20	29	22	19	17	15	22	10	9	13	5	4	7	13	38
22	4	5	5	3	3	4	5	23	40	44	27	39	26	15	12	11	10	11	8	5	2	9	9	17	14	40
23	7	13	24	21	10	16	8	14	31	15	9	9	10	8	8	12	21	17	7	14	9	9	9	8	13	31
24	10	17	9	10	14	14	7	17	19	23	15	17	12	18	15	11	10	10	8	10	15	10	7	7	13	23
25	14	7	4	6	7	9	6	17	18	23	26	12	9	16	10	9	13	11	12	8	5	8	5	5	11	26
26	8	6	5	4	3	4	6	9	17	37	52	48	31	32	23	16	7	8	7	14	9	10	9	5	16	52
27	5	4	3	4	4	4	4	11	24	24	19	22	12	12	12	12	12	12	14	11	14	9	17	24	14	29
28	10	8	14	14	12	9	7	11	27	27	23	14	12	11	11	11	10	9	8	7	8	8	8	7	12	27
29	7	8	8	9	10	13	20	26	17	14	12	14	17	12	11	11	10	9	8	6	4	20	88	34	15	48
30	24	23	24	5	16	13	8	8	12	22	31	37	21	18	16	10	8	8	7	9	13	11	9	10	15	37
31	4	5	5	4	5	4	5	6	27	19	32	24	22	14	13	9	11	9	7	5	6	7	16	7	11	32
AV	10	9	9	8	9	8	7	14	22	22	21	20	17	17	16	14	13	13	10	8	9	10	11	11	13	1
SD	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7

SIGMA THETA (CC120)

DEGREES

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 6

SEP, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6	7	5	5	6	4	4	10	23	22	31	33	21	16	23	37	27	20	10	6	12	16	4	3	15	37	
2	3	6	4	4	6	3	5	12	30	19	19	19	12	12	13	10	12	10	9	5	5	9	22	15	11	30	
3	21	35	42	18	18	7	4	19	33	15	14	20	16	19	14	9	9	7	7	6	13	9	5	6	6	15	42
4	4	6	4	4	4	2	3	5	31	26	24	38	30	23	16	14	18	16	15	7	12	6	4	4	4	13	38
5	7	4	4	4	5	3	3	5	37	18	22	26	27	23	20	16	16	14	5	7	13	6	7	6	6	12	37
6	6	16	9	8	3	4	7	10	33	16	12	17	7	8	7	4	7	4	7	6	6	6	6	6	6	10	33
7	5	7	13	9	16	8	5	9	14	8	8	21	18	22	14	27	13	13	12	8	5	4	4	5	11	27	
8	7	13	11	6	6	7	8	7	8	9	12	12	12	24	28	26	17	11	6	7	7	5	11	6	6	11	28
9	5	5	7	10	16	27	14	10	12	10	10	7	9	6	5	11	10	5	5	5	5	4	4	5	9	27	
10	4	5	5	3	5	6	5	15	21	9	9	18	19	9	21	13	11	10	8	6	10	13	8	10	10	21	
11	5	6	6	6	7	9	6	25	14	16	11	11	10	11	10	11	9	8	6	11	6	6	6	6	6	9	25
12	6	5	6	6	6	5	4	7	14	13	16	25	19	23	16	12	6	11	10	8	6	7	7	7	7	11	25
13	8	5	6	10	7	4	4	8	27	23	24	28	12	11	11	10	10	10	8	5	3	4	4	4	4	10	28
14	4	4	5	4	5	7	5	5	12	18	13	15	8	10	12	10	11	10	7	6	8	7	5	5	8	18	
15	4	3	5	3	4	5	4	10	21	20	19	14	14	11	11	10	12	10	9	7	11	11	9	11	10	21	
16	14	8	8	10	10	5	5	10	19	37	10	8	7	8	8	8	8	7	7	7	7	13	13	10	11	37	
17	6	5	5	7	11	7	6	9	18	32	18	17	12	12	13	13	19	8	7	13	7	5	6	6	11	32	
18	5	5	3	5	5	5	4	7	25	30	21	37	14	11	16	10	11	10	8	7	9	9	9	7	11	37	
19	6	6	7	7	7	7	6	8	9	9	11	11	10	11	11	9	8	18	18	9	8	9	10	13	10	18	
20	7	8	7	14	6	4	5	9	20	15	19	16	25	23	24	15	12	16	7	7	5	6	5	5	12	25	
21	6	4	6	15	8	18	10	26	36	24	9	10	9	9	10	8	11	14	7	6	7	19	11	19	13	36	
22	20	13	27	10	7	13	10	14	20	23	17	28	32	30	20	18	20	12	5	7	9	4	4	4	4	15	32
23	3	3	5	5	4	5	8	6	20	19	20	29	18	14	20	26	15	8	4	12	6	6	17	8	12	29	
24	4	4	4	5	6	5	5	10	20	35	19	10	8	8	11	20	22	19	7	12	6	4	4	4	4	11	35
25	5	4	9	23	11	6	7	16	22	16	18	13	19	25	11	13	10	10	6	11	5	3	3	3	3	11	25
26	4	3	3	2	3	4	3	5	30	32	21	18	16	21	13	15	12	8	5	13	3	6	6	6	6	11	32
27	4	3	2	3	5	17	15	30	21	22	26	17	18	18	22	12	9	5	12	5	5	3	5	3	3	12	30
28	2	3	3	3	6	8	5	10	29	43	20	24	23	14	13	19	15	9	9	12	4	4	4	4	4	12	43
29	4	4	5	3	5	6	5	7	13	35	26	16	13	21	20	18	11	6	6	12	5	5	5	5	5	11	35
30	3	4	5	4	7	4	4	7	14	24	17	24	22	19	16	12	11	8	4	11	8	5	6	4	4	10	24
AV	5	7	8	7	7	7	6	11	22	22	17	19	16	17	15	12	13	11	8	8	7	7	7	7	7	11	11
SD	5	6	8	5	4	5	3	5	8	9	6	8	7	6	5	7	4	8	3	3	3	4	4	4	4	2	11

AUGUST (21 JAN 81)

SIGMA INETA (CCP20)

DEGREES
LEVEL HEIGHT ± 50 METERS

WHITE RIVER SHALE PROJECT, #139
HOBARZA, UTAH
SITE 6
OCT, 1980
AEROVIRONMENT INC.

.....
* FIDAL DATA *
* AS OF 03/JUN/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	4	5	6	8	6	4	9	12	27	34	16	16	22	24	25	17	20	9	12	19	37	36	31	16	17	37		
2	15	9	19	38	18	12	14	7	7	10	17	14	16	21	44	44	27	19	6	11	4	4	3	4	4	14	44	
3	5	13	5	6	4	11	9	6	19	30	30	22	30	37	26	20	23	16	5	4	5	7	3	4	4	13	37	
4	5	4	4	4	6	9	7	4	22	37	24	23	19	21	17	13	15	8	5	4	3	4	4	4	4	11	37	
5	6	6	6	4	4	6	5	8	24	42	21	17	27	22	17	14	12	9	7	5	9	4	5	4	4	12	42	
6	6	4	3	4	3	2	3	5	13	47	22	23	19	16	13	14	10	5	9	5	3	3	3	4	4	10	47	
7	3	3	4	5	3	3	4	4	16	30	29	22	24	23	15	14	13	7	7	8	9	4	4	4	4	11	50	
8	3	4	4	4	3	6	5	5	26	33	24	29	20	14	22	30	33	14	8	12	4	4	4	4	4	13	53	
9	4	3	5	7	9	6	5	4	18	22	19	19	12	17	13	10	7	8	9	18	18	6	5	5	5	12	26	
10	5	7	14	18	12	36	17	16	32	27	11	12	19	28	39	15	24	8	7	9	9	5	3	3	3	16	39	
11	3	3	4	3	3	3	4	4	16	40	44	23	13	10	21	32	23	9	6	15	9	15	23	18	14	44	44	
12	24	8	8	5	5	6	11	19	12	14	10	12	10	8	9	10	9	7	10	18	20	9	9	13	11	24	44	
13	7	5	5	8	5	15	7	10	9	18	18	16	13	17	18	15	0	8	7	7	18	13	15	10	11	18	44	
14	6	3	4	7	6	8	16	13	27	22	14	18	14	12	10	8	10	13	7	8	18	7	11	10	11	27	44	
15	4	11	11	28	25	10	11	31	14	11	9	9	9	9	8	10	8	8	8	10	10	6	6	6	6	12	31	44
16	7	6	13	15	7	8	6	7	8	7	7	10	9	9	19	23	12	20	10	8	9	11	9	10	8	10	23	44
17	7	7	8	13	5	4	7	7	13	16	16	9	10	12	7	8	9	14	7	6	9	11	8	13	9	16	44	
18	5	5	4	9	4	5	7	6	10	10	34	34	22	21	39	26	26	21	18	13	7	9	5	4	4	14	39	44
19	5	6	9	4	4	5	4	4	17	26	16	22	20	14	11	16	11	5	6	12	5	4	4	5	5	10	26	44
20	4	4	3	3	4	7	3	3	11	35	24	22	20	17	21	26	33	14	8	14	5	5	9	5	5	12	15	44
21	4	4	3	5	5	6	19	5	10	41	25	21	22	17	25	17	18	11	12	6	16	10	7	11	13	41	44	
22	10	3	7	6	5	4	8	5	21	27	10	9	8	9	6	7	6	6	6	7	8	10	14	23	9	27	44	
23	10	21	5	14	38	11	17	23	15	12	12	21	30	32	34	29	16	11	4	13	5	3	3	3	3	16	34	44
24	8	3	3	4	3	4	3	8	17	42	30	36	24	20	16	16	9	4	5	6	4	4	3	3	5	12	42	44
25	3	3	3	4	4	4	3	7	20	34	18	13	13	12	10	13	13	16	11	9	5	4	4	4	5	10	34	44
26	7	10	6	8	8	7	16	12	19	32	31	20	16	9	5	6	15	7	5	9	5	4	4	7	11	32	44	
27	6	4	3	4	5	10	19	6	18	11	9	10	10	12	11	9	9	10	10	10	9	5	12	13	11	10	19	44
28	7	17	19	15	17	17	17	13	18	32	26	23	35	34	27	24	23	7	7	19	7	5	6	4	3	17	15	44
29	4	4	6	10	7	8	6	6	28	18	18	19	18	16	21	18	12	6	13	6	13	4	4	4	4	11	28	44
30	4	4	6	7	4	3	6	5	25	26	20	17	17	23	40	22	19	6	14	7	4	3	4	4	4	12	40	44
31	4	4	4	15	10	4	4	5	17	37	23	20	17	15	17	12	7	8	9	4	4	4	4	4	5	11	17	44
AV	9	6	7	9	8	8	9	9	17	27	20	19	19	18	20	17	16	10	8	9	9	8	7	7	7	12	17	44
SD	4	4	5	8	7	6	5	6	6	11	8	7	7	7	10	8	8	4	4	4	7	6	6	5	5	2	17	44

SIGMA THERM (CC-1201)

DEGREES
LEVEL HEIGHT 30 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6
NOV, 1980
AFROVIRONMENT INC.

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FINAL DATA

AS OF 03/JUN/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	5	3	4	3	3	6	7	4	15	17	26	24	25	19	35	29	5	11	14	6	5	5	4	6	12	35
2	6	4	3	5	6	15	15	15	11	21	25	35	19	22	24	10	6	6	10	5	7	8	4	4	12	35
3	9	20	5	3	9	8	11	14	13	28	34	35	24	21	23	14	18	6	7	10	6	5	4	4	18	35
4	4	5	4	5	10	8	19	13	34	23	17	16	16	16	18	14	12	6	9	15	6	6	4	3	11	34
5	3	3	3	4	6	7	8	6	5	25	33	19	21	17	14	12	9	4	10	4	4	4	4	3	10	33
6	3	3	3	4	7	8	4	11	27	29	20	18	15	24	17	7	10	13	10	4	7	5	8	11	29	43
7	8	16	12	7	4	5	15	7	12	43	36	22	29	20	13	10	9	8	7	7	9	25	25	30	15	43
8	17	7	9	10	14	14	12	9	9	9	4	4	7	8	7	7	7	7	10	5	5	5	5	9	17	17
9	7	4	5	8	4	8	14	4	14	40	29	17	14	14	27	17	23	29	33	21	12	9	7	15	40	40
10	9	12	8	13	8	7	16	12	16	40	30	20	13	13	17	24	10	17	8	4	4	3	4	5	13	40
11	8	9	15	10	12	8	19	6	15	25	20	31	12	14	26	19	14	17	12	4	6	6	6	22	15	41
12	21	15	13	5	5	6	9	6	15	16	15	9	10	11	10	9	8	6	8	14	10	7	11	16	11	21
13	18	12	18	14	7	6	7	8	6	5	6	6	10	8	9	8	8	6	8	9	8	7	8	7	9	14
14	6	9	9	14	7	8	6	7	8	8	24	20	15	18	15	34	24	6	6	6	8	10	7	4	12	34
15	5	6	6	4	3	4	5	4	7	22	18	16	16	25	15	13	9	7	7	7	8	7	9	9	13	25
16	20	23	16	14	28	12	11	11	8	13	20	14	24	19	27	17	9	5	7	8	15	21	31	23	17	31
17	15	19	7	6	5	5	6	5	7	14	37	26	24	22	22	19	20	6	6	11	4	3	3	3	12	37
18	4	4	5	4	4	7	10	4	6	33	28	18	19	13	12	15	9	5	12	4	3	4	4	0	10	33
19	3	4	4	4	6	9	16	6	11	29	26	21	22	27	27	14	10	5	9	12	6	4	4	5	12	29
20	8	7	8	5	7	9	8	9	5	17	18	17	19	15	14	12	6	5	11	7	5	3	5	4	9	19
21	4	5	6	7	5	7	12	9	7	26	30	26	20	13	10	5	8	5	6	6	6	4	14	8	11	30
22	5	7	22	13	14	9	15	8	12	14	26	22	14	17	15	19	9	5	6	8	5	6	6	4	12	26
23	3	5	4	4	5	4	3	3	4	21	14	12	16	11	9	4	4	5	13	10	10	11	4	4	4	21
24	23	5	6	7	4	5	5	3	3	3	4	8	7	13	13	10	10	13	13	17	18	19	22	21	11	23
25	17	10	9	14	9	12	11	10	4	19	12	17	14	17	16	6	10	7	4	7	8	14	12	11	19	19
26	12	16	7	9	7	11	5	4	7	13	33	15	12	13	12	15	11	6	5	7	4	5	5	4	10	33
27	6	9	5	4	10	5	11	14	7	26	23	16	11	10	24	22	8	3	3	6	14	5	4	8	11	24
28	14	4	7	5	17	27	10	34	23	26	18	9	9	11	15	11	7	7	21	12	7	12	8	5	13	34
29	6	18	8	9	9	6	10	18	11	13	29	13	12	23	26	14	13	12	26	19	14	17	20	20	15	29
30	14	10	21	14	15	11	23	18	11	15	23	23	6	9	27	14	15	9	8	30	43	14	10	6	17	43
AV	10	9	9	8	8	9	10	9	10	22	23	19	16	14	14	15	11	8	10	10	9	9	9	9	12	11
SD	7	6	5	4	5	4	4	6	5	10	4	7	6	5	7	4	5	5	6	4	7	4	7	7	2	11

ADJUST (21 JAN 81)

SINIA TETA (CC:20)

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT (1, #139)
DOMANZA, UTAH
SITE 6

DEC, 1980

AGROVIRONMENT INC.

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* FINAL DATA *
* AS OF 03/JUN/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5	4	6	15	19	13	12	7	33	11	11	7	7	10	11	13	7	6	13	6	4	3	3	7	10	34	
2	8	15	6	16	19	11	14	11	15	21	20	10	18	26	18	17	18	18	9	9	14	10	18	15	14	26	
3	12	6	7	7	7	16	12	14	17	13	11	28	18	28	11	8	10	8	9	9	7	9	10	18	13	38	
4	7	14	14	15	18	22	28	10	10	14	10	11	10	10	9	10	10	10	9	10	9	7	7	7	13	28	
5	7	9	8	20	30	24	13	9	12	7	15	8	12	19	18	18	8	7	5	6	5	16	9	15	13	30	
6	9	17	18	16	7	5	9	5	5	5	26	26	15	20	14	12	11	9	7	13	18	10	5	9	12	26	
7	15	7	14	15	12	8	7	5	16	22	23	9	9	9	9	9	28	14	10	7	9	8	9	10	12	28	
8	8	9	9	16	18	13	9	13	32	36	23	23	27	10	11	10	5	6	8	6	6	6	11	7	13	36	
9	6	4	5	5	5	4	5	9	8	37	29	31	37	16	11	20	6	15	21	7	7	4	6	8	5	19	
10	6	4	5	5	5	4	5	9	8	37	29	31	37	16	11	20	6	15	21	7	7	4	6	8	5	19	
11	5	8	13	12	6	17	9	6	5	24	23	17	14	10	14	9	5	7	13	5	4	4	4	3	10	24	
12	5	8	5	5	5	10	5	3	8	31	36	22	27	18	13	7	5	4	15	7	4	4	4	5	4	11	36
13	4	4	5	5	5	6	6	7	4	14	31	20	21	19	22	17	8	5	12	4	3	4	3	4	4	10	31
14	5	4	6	4	7	8	7	10	10	22	31	24	27	23	17	18	5	8	6	5	5	5	7	9	8	11	31
15	7	6	18	23	11	15	15	13	10	29	21	29	10	13	32	22	12	14	6	6	14	6	5	6	8	10	32
16	6	8	5	11	15	9	7	12	9	18	25	27	21	13	7	6	3	5	13	6	3	3	5	3	3	10	27
17	7	5	4	8	18	13	4	8	4	19	14	17	19	16	12	7	3	3	15	10	8	5	5	6	6	10	14
18	6	4	20	17	10	6	17	13	15	25	29	31	21	10	6	5	3	2	6	4	4	4	9	5	4	11	31
19	4	4	6	5	5	4	4	3	3	13	22	23	25	29	23	10	4	7	11	8	5	3	4	4	4	10	29
20	3	4	5	4	4	4	4	10	9	23	23	44	14	30	30	11	8	8	9	4	4	4	4	4	4	11	44
21	3	3	6	8	12	5	12	6	22	24	23	19	14	30	21	7	7	7	19	10	17	21	13	12	14	34	
22	16	14	14	10	6	20	16	21	21	7	9	10	12	22	19	11	7	15	19	24	14	13	7	7	15	32	
23	11	13	12	8	12	14	6	11	10	9	18	10	15	28	16	12	9	7	12	7	6	6	12	6	11	28	
24	5	4	6	6	12	7	5	9	8	4	20	26	16	11	9	10	7	5	10	7	4	4	4	4	4	9	26
25	5	8	11	19	18	10	5	12	10	12	29	22	11	10	6	7	12	6	5	16	6	9	10	10	11	29	
26	9	5	9	20	19	15	5	4	6	8	14	28	28	33	30	13	6	4	8	6	5	4	5	4	12	33	
27	3	5	6	4	6	5	4	5	4	8	23	30	34	12	12	9	3	14	9	14	6	3	5	4	10	34	
28	4	7	5	6	5	9	14	15	10	15	21	14	19	10	7	8	14	6	4	3	4	5	5	5	9	21	
29	3	3	4	4	4	4	4	6	8	14	18	21	19	26	18	13	7	7	12	6	4	3	6	5	9	26	
30	6	5	3	8	6	4	4	4	3	18 (HF)	24 (HF)	24	20	15	10	7	4	16	11	9	4	5	3	4	4	24	
31	5	5	3	10	4	4	10	8	18 (HF)	16	20	23	8	8	8	3	4	5	3	3	3	4	3	3	3	8	24
AV	7	7	8	11	10	10	9	9	10	17	22	21	20	17	16	11	8	9	10	8	7	7	7	7	11	11	
SD	5	8	5	6	6	6	5	4	4	5	7	8	7	7	7	5	5	4	4	4	4	4	4	4	4	2	11

SIGMA W (CC1211)
 METERS/SECOND
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AFROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.16	.13	.12	.13	.24	.23	.17	.15	.22	.18	.29	.36	.35	.31	.32	.27	.17	.14	.13	.13	.15	.12	.14	.15	.20	.16	
2	.12	.11	.11	.11	.13	.14	.12	.14	.16	.18	.21	.29	.36	.35	.31	.32	.27	.17	.14	.13	.13	.15	.12	.14	.15	.20	.16
3	.15	.15	.16	.22	.21	.23	.26	.22	.20	.17	.13	.12	.12	.22	.29	.23	.21	.17	.16	.23	.22	.24	.22	.21	.24	.20	.18
4	.15	.18	.16	.17	.15	.18	.18	.18	.23	.22	.22	.26	.26	.26	.26	.27	.22	.15	.14	.18	.23	.21	.20	.18	.14	.19	.29
5	.21	.18	.18	.21	.18	.16	.15	.14	.17	.24	.24	.27	.28	.32	.34	.32	.21	.18	.17	.16	.16	.14	.17	.19	.17	.21	.28
6	.14	.16	.20	.27	.19	.22	.20	.25	.27	.23	.26	.44	.55	.53	.57	.64	.60	.54	.34	.21	.19	.17	.14	.14	.31	.64	
7	.12	.12	.12	.12	.13	.12	.12	.13	.12	.14	.15	.26	.35	.41	.23	.15	.16	.16	.16	.22	.36	.21	.15	.13	.20	.43	
8	.15	.13	.12	.12	.12	.13	.12	.14	.13	.15	.19	.29	.26	.21	.17	.13	.18	.27	.37	.46	.50	.42	.42	.42	.23	.62	
9	.57	.32	.24	.21	.19	.27	.22	.32	.69	.65	.69	.90	.93	.88	.84	.65	.62	.62	.64	.64	.62	.79	.62	.64	.60	.93	
10	.72	.86	.97	.94	.90	.84	.76	.72	.99	.98	.94	.96	.93	.82	.80	.80	.80	.82	.78	.81	.80	.62	.38	.26	.61	.99	
11	.31	.30	.28	.23	.27	.23	.24	.20	.15	.20	.21	.24	.29	.33	.28	.24	.19	.14	.13	.15	.16	.14	.15	.15	.22	.33	
12	.14	.15	.13	.14	.13	.14	.18	.22	.17	.21	.24	.24	.26	.23	.22	.24	.16	.14	.19	.17	.16	.14	.13	.14	.14	.24	
13	.16	.15	.13	.13	.12	.12	.12	.13	.13	.15	.20	.22	.28	.26	.18	.15	.17	.15	.16	.18	.18	.19	.24	.24	.24	.18	.28
14	.71	.70	.76	.73	.84	.79	.71	.56	.47	.15	.33	.48	.33	.40	.23	.14	.12	.13	.13	.13	.13	.13	.13	.13	.13	.39	.84
15	.13	.14	.13	.14	.14	.14	.12	.12	.12	.12	.14	.20	.28	.33	.29	.27	.20	.17	.16	.13	.20	.15	.12	.12	.12	.17	.33
16	.12	.12	.12	.14	.13	.12	.12	.12	.12	.12	.13	.17	.26	.36	.31	.20	.19	.20	.17	.14	.15	.13	.13	.13	.14	.16	.16
17	.12	.12	.13	.12	.13	.13	.12	.13	.12	.13	.15	.27	.38	.34	.30	.23	.20	.16	.15	.14	.14	.13	.13	.13	.12	.17	.34
18	.13	.13	.14	.14	.12	.13	.12	.12	.12	.13	.13	.22	.27	.24	.26	.24	.25	.17	.17	.17	.17	.17	.17	.17	.17	.30	.40
19	.78	.85	.80	.66	.44	.53	.77	.76	.76	.55	.55	.55	.56	.52	.40	.41	.31	.23	.29	.32	.52	.54	.37	.35	.59	.85	
20	.23	.27	.17	.16	.32	.39	.30	.17	.20	.32	.37	.43	.43	.37	.42	.44	.32	.25	.17	.14	.14	.15	.15	.16	.27	.48	
21	.23	.24	.20	.21	.20	.20	.17	.18	.24	.30	.32	.33	.33	.36	.39	.39	.32	.28	.29	.28	.27	.30	.34	.27	.24	.39	.45
22	.27	.23	.17	.20	.20	.22	.20	.23	.20	.30	.36	.36	.45	.52	.48	.45	.29	.15	.13	.14	.17	.17	.17	.17	.17	.24	.52
23	.16	.17	.17	.16	.15	.17	.18	.15	.14	.24	.39	.47	.52	.45	.46	.37	.33	.32	.31	.33	.35	.34	.24	.28	.29	.45	
24	.23	.24	.24	.25	.27	.27	.26	.26	.25	.26	.33	.35	.35	.40	.43	.35	.30	.31	.31	.26	.25	.30	.25	.27	.29	.45	
25	.24	.26	.20	.22	.21	.24	.19	.25	.25	.26	.28	.37	.40	.44	.43	.24	.16	.24	.33	.45	.49	.49	.54	.36	.31	.54	
26	.37	.35	.39	.23	.22	.18	.19	.19	.26	.33	.45	.55	.50	.53	.57	.49	.58	.61	.48	.41	.42	.40	.27	.29	.39	.61	
27	.25	.17	.15	.18	.19	.13	.12	.13	.14	.27	.31	.37	.48	.49	.44	.30	.20	.18	.19	.15	.18	.28	.20	.15	.24	.49	
28	.16	.20	.27	.24	.23	.24	.23	.24	.17	.16	.16	.14	.13	.14	.16	.13	.13	.13	.12	.12	.12	.12	.12	.12	.12	.17	.12
29	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.15	.18	.17	.16	.21	.17	.13	.13	.13	.13	.16	.21	.32	.15	.12
30	.24	.20	.19	.19	.21	.27	.23	.21	.27	.20	.15	.15	.17	.24	.21	.14	.13	.14	.17	.17	.19	.14	.16	.14	.19	.27	
31	.14	.12	.12	.12	.12	.12	.12	.12	.12	.12	.15	.19	.27	.23	.25	.14	.14	.16	.15	.15	.19	.14	.13	.12	.14	.15	.27
AV	.25	.24	.24	.23	.23	.24	.23	.23	.25	.24	.29	.34	.37	.36	.32	.27	.27	.24	.23	.25	.28	.28	.25	.24	.27	.1	
SD	.18	.19	.21	.19	.18	.17	.18	.16	.20	.19	.19	.20	.19	.17	.16	.17	.16	.17	.15	.16	.20	.20	.17	.16	.14	.1	

ABOUT (29 JAN 81)

SIGMA W (CC821)

METERS/SECOND
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

FEB, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.12	.12	.12	.12	.12	.12	.12	.12	.12	.14	.20	.23	.33	.33	.30	.26	.18	.15	.15	.14	.15	.20	.17	.15	.17	.33
2	.13	.14	.14	.13	.13	.12	.12	.12	.12	.12	.16	.25	.28	.27	.28	.24	.21	.14	.13	.15	.14	.12	.14	.12	.14	.28
3	.13	.14	.14	.13	.13	.13	.13	.13	.13	.16	.19	.23	.32	.27	.27	.25	.18	.18	.15	.15	.14	.14	.13	.21	.17	.32
4	.14	.14	.14	.13	.14	.14	.13	.13	.13	.14	.16	.23	.26	.30	.23	.20	.15	.13	.12	.12	.13	.13	.15	.14	.16	.30
5	.14	.14	.14	.13	.13	.12	.12	.12	.12	.12	.15	.21	.27	.29	.29	.23	.20	.15	.15	.13	.13	.13	.14	.13	.16	.29
6	.14	.14	.13	.12	.12	.13	.12	.12	.12	.13	.17	.26	.27	.27	.30	.24	.22	.19	.18	.16	.13	.14	.14	.13	.17	.30
7	.14	.13	.12	.12	.12	.12	.12	.12	.12	.12	.14	.21	.16	.18	.23	.31	.59	.73	.76	.65	.35	.26	.36	.31	.27	.76
8	.45	.55	.24	.24	.23	.17	.16	.21	.25	.19	.15	.23	.24	.32	.40	.29	.23	.15	.14	.21	.24	.26	.25	.28	.26	.55
9	.25	.31	.18	.18	.17	.17	.15	.14	.15	.14	.21	.30	.35	.34	.34	.32	.21	.17	.14	.12	.13	.13	.14	.12	.20	.35
10	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.16	.26	.29	.31	.38	.35	.24	.15	.14	.14	.13	.12	.12	.12	.17	.38
11	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.16	.27	.35	.35	.35	.29	.23	.16	.14	.14	.13	.12	.13	.13	.17	.35
12	.13	.12	.12	.12	.12	.12	.12	.12	.12	.12	.14	.21	.30	.34	.35	.30	.23	.16	.15	.13	.13	.12	.12	.12	.17	.35
13	.12	.13	.12	.12	.12	.12	.12	.12	.12	.13	.14	.28	.28	.27	.32	.27	.21	.16	.16	.16	.14	.12	.12	.12	.17	.32
14	.12	.13	.12	.12	.12	.12	.12	.12	.12	.14	.16	.26	.24	.29	.26	.23	.20	.20	.14	.14	.13	.13	.13	.12	.17	.30
15	.13	.14	.13	.13	.13	.12	.12	.12	.12	.15	.22	.26	.32	.33	.25	.27	.27	.21	.15	.13	.12	.15	.16	.20	.18	.33
16	.21	.14	.14	.12	.12	.16	.16	.13	.12	.12	.12	.12	.12	.23	.34	.31	.22	.18	.17	.18	.19	.13	.12	.12	.17	.34
17	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.13	.35	.32	.26	.28	.21	.14	.14	.12	.12	.12	.12	.13	.16	.35
18	.13	.15	.16	.24	.15	.15	.18	.13	.15	.16	.61	.45	.18	.21	.29	.17	.30	.28	.17	.28	.14	.18	.10	.10	.21	.61
19	.12	.16	.35	.34	.35	.35	.23	.15	.08	.09	.20	.46	.54	.50	.59	.64	.46	.24	.17	.14	.12	.13	.10	.13	.28	.64
20	.10	.09	.18	.28	.35	.26	.35	.13	.11	.29	.46	.43	.27	.29	.51	.38	.34	.30	.12	.13	.16	.24	.13	.10	.25	.51
21	.10	.09	.11	.18	.14	.10	.09	.09	.12	.16	.52	.57	.27	.59	.63	.56	.33	.21	.17	.14	.15	.14	.10	.09	.28	.63
22	.09	.09	.09	.09	.09	.09	.09	.09	.14	.27	.40	.55	.66	.59	.59	.52	.44	.24	.10	.10	.14	.23	.30	.17	.26	.66
23	.09	.09	.09	.16	.29	.15	.10	.18	.13	.11	.21	.48	.49	.60	.52	.36	.24	.32	.25	.36	.40	.32	.34	.31	.27	.60
24	.30	.14	.14	.16	.19	.19	.46	.70	.35	.29	.39	.48	.59	.60	.51	.53	.43	.22	.09	.09	.18	.21	.22	.16	.32	.70
25	.25	.17	.20	.67	.78	.73	.23	.09	.11	.42	.43	.45	.45	.47	.52	.52	.41	.28	.13	.12	.10	.09	.18	.18	.33	.74
26	.14	.15	.15	.13	.23	.38	.27	.22	.24	.34	.46	.51	.52	.55	.51	.35	.24	.13	.08	.09	.10	.15	.17	.26	.55	.50
27	.12	.15	.24	.18	.17	.09	.14	.15	.16	.27	.30	.40	.43	.50	.42	.35	.19	.13	.09	.11	.10	.10	.10	.12	.22	.50
28	.14	.16	.16	.14	.13	.10	.11	.12	.14	.27	.40	.47	.47	.47	.42	.37	.28	.18	.09	.27	.36	.33	.15	.21	.25	.47
29	.20	.39	.14	.14	.29	.15	.26	.23	.15	.28	.46	.46	.43	.45	.48	.48	.42	.39	.31	.27	.19	.24	.34	.31	.31	.48
AV	.15	.16	.15	.17	.18	.17	.17	.16	.14	.18	.27	.33	.35	.37	.39	.35	.29	.22	.17	.17	.17	.17	.17	.16	.22	.31
90	.07	.10	.06	.11	.13	.12	.09	.11	.05	.08	.13	.13	.13	.12	.12	.10	.11	.12	.11	.11	.08	.07	.08	.06	.05	.11

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAR, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.35	.43	.36	.20	.23	.20	.16	.16	.25	.37	.46	.58	.58	.52	.63	.55	.53	.27	.10	.09	.11	.15	.19	.18	.32	.63
2	.20	.21	.15	.11	.09	.10	.09	.10	.17	.21	.31	.26	.39	.60	.54	.47	.31	.18	.12	.12	.09	.11	.11	.11	.22	.60
3	.09	.08	.09	.10	.09	.10	.09	.23	.23	.23	.23	.46	.73	.87	.80	.78	.67	.27	.18	.17	.13	.17	.21	.31	.29	.87
4	.38	.42	.31	.34	.13	.16	.17	.14	.09	.09	.23	.43	.63	.64	.68	.63	.68	.77	.59	.44	.25	.28	.24	.15	.37	.77
5	.23	.28	.20	.14	.12	.20	.15	.16	.16	.28	.65	.78	.74	.72	.83	.76	.68	.66	.77	.73	.68	.80	.58	.45	.49	.83
6	.59	.35	.37	.57	.39	.28	.31	.35	.23	.12	.22	.22	.20	.18	.15	.16	.17	.13	.12	.16	.10	.13	.09	.11	.23	.59
7	.09	.09	.09	.09	.09	.09	.09	.13	.30	.44	.52	.51	.44	.49	.51	.49	.51	.35	.14	.21	.20	.15	.10	.15	.23	.52
8	.13	.18	.27	.15	.18	.21	.21	.25	.24	.31	.43	.61	.62	.65	.63	.50	.47	.43	.27	.19	.25	.12	.18	.21	.32	.65
9	.15	.15	.21	.19	.23	.32	.35	.34	.30	.37	.51	.61	.63	.66	.70	.65	.58	.43	.26	.17	.21	.22	.30	.40	.37	.70
10	.45	.36	.25	.25	.19	.17	.19	.19	.24	.35	.46	.51	.54	.60	.63	.61	.50	.32	.26	.21	.12	.13	.22	.17	.33	.63
11	.13	.13	.15	.19	.18	.14	.11	.10	.10	.23	.44	.37	.55	.51	.68	.66	.66	.42	.62	.57	.46	.58	.68	.27	.35	.68
12	.18	.55	.56	.79	.86	.85	.84	.83	.65	.62	.82	.81	.82	.75	.71	.72	.65	.57	.46	.33	.27	.17	.24	.32	.60	.86
13	.32	.26	.19	.29	.27	.24	.20	.20	.34	.37	.47	.60	.64	.67	.69	.66	.54	.27	.20	.35	.28	.30	.27	.26	.37	.69
14	.18	.17	.17	.15	.18	.20	.19	.20	.25	.40	.47	.61	.71	.64	.55	.78	.80	.68	.46	.35	.35	.36	.18	.22	.38	.80
15	.17	.37	.42	.40	.23	.16	.14	.23	.19	.16	.21	.62	.55	.61	.67	.75	.69	.62	.49	.38	.18	.32	.67	.67	.41	.75
16	.51	.72	.81	.66	.57	.57	.30	.38	.42	.66	.78	.77	.78	.73	.74	.65	.71	.74	.55	.42	.28	.28	.33	.32	.57	.81
17	.33	.22	.25	.33	.24	.20	.32	.29	.48	.46	.61	.70	.78	.80	.70	.62	.56	.60	.55	.55	.60	.46	.36	.28	.47	.80
18	.18	.18	.19	.21	.21	.21	.14	.15	.25	.47	.60	.67	.68	.59	.68	.66	.60	.41	.17	.14	.18	.28	.23	.24	.47	.80
19	.24	.18	.31	.20	.26	.18	.20	.26	.30	.41	.68	.75	.71	.73	.78	.72	.63	.60	.63	.51	.23	.26	.15	.13	.42	.78
20	.14	.18	.20	.16	.17	.20	.21	.23	.33	.49	.61	.75	.69	.66	.67	.72	.67	.75	.53	.50	.49	.37	.24	.14	.42	.75
21	.20	.24	.18	.18	.15	.18	.21	.17	.24	.83	.93	.95	.95	.93	.91	.80	.86	.84	.58	.32	.22	.29	.43	.41	.50	.95
22	.27	.21	.18	.15	.15	.13	.14	.19	.25	.41	.44	.62	.56	.63	.76	.69	.56	.58	.42	.34	.25	.18	.18	.20	.36	.83
23	.30	.31	.31	.26	.14	.12	.12	.14	.30	.47	.71	.73	.69	.72	.77	.65	.62	.41	.18	.15	.28	.24	.32	.21	.36	.77
24	.17	.23	.28	.32	.21	.16	.24	.25	.28	.51	.49	.78	.77	.77	.83	.81	.64	.65	.45	.45	.27	.13	.13	.12	.41	.83
25	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.13	.33	.27	.28	.33	.30	.31	.29	.24	.21	.19	.20	.19	.16	.19	.33
26	.31	.21	.15	.14	.13	.13	.13	.13	.15	.27	.37	.43	.69	.61	.73	.66	.52	.50	.37	.22	.23	.26	.23	.26	.33	.73
27	.28	.27	.27	.21	.23	.21	.24	.30	.35	.45	.52	.61	.73	.70	.64	.59	.67	.69	.50	.27	.30	.23	.18	.13	.40	.73
28	.12	.12	.16	.19	.15	.12	.12	.14	.17	.30	.54	.63	.72	.75	.80	.62	.76	.75	.46	.46	.34	.34	.20	.17	.36	.80
29	.15	.14	.21	.17	.13	.13	.15	.21	.32	.55	.55	.67	.70	.68	.67	.65	.49	.23	.23	.23	.24	.28	.23	.29	.37	.74
30	.35	.32	.25	.22	.20	.16	.18	.28	.25	.34	.38	.71	.65	.81	.78	.79	.53	.28	.23	.30	.25	.20	.20	.24	.38	.85
31	.17	.29	.30	.21	.24	.26	.32	.33	.34	.35	.49	.63	.66	.69	.67	.62	.51	.47	.34	.36	.22	.16	.33	.37	.39	.69
AV	.24	.26	.26	.22	.22	.21	.21	.23	.26	.36	.48	.61	.64	.66	.67	.64	.59	.50	.37	.32	.27	.26	.26	.25	.57	.71
SD	.12	.14	.14	.16	.15	.15	.13	.13	.12	.17	.19	.16	.16	.16	.15	.14	.14	.19	.18	.15	.10	.14	.15	.12	.09	.71

ADDDT (29 JAN 81)

STGMA W (CC121)

METERS/SECOND

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 6

APR, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.21	.26	.24	.27	.26	.43	.35	.29	.44	.55	.57	.66	.67	.60	.70	.61	.49	.34	.28	.38	.63	.72	.76	.67	.48	.78
2	.67	.38	.24	.23	.28	.23	.36	.24	.23	.27	.38	.50	.47	.52	.61	.57	.47	.36	.25	.23	.22	.25	.41	.67	.37	.67
3	.30	.33	.47	.35	.26	.28	.30	.28	.29	.48	.63	.66	.69	.70	.59	.58	.51	.35	.37	.20	.16	.16	.16	.15	.39	.70
4	.15	.14	.13	.14	.15	.16	.22	.20	.33	.54	.55	.65	.72	.72	.55	.60	.59	.50	.31	.23	.27	.45	.29	.28	.37	.72
5	.24	.26	.27	.20	.18	.16	.16	.16	.27	.21	.35	.64	.71	.74	.83	.73	.63	.45	.74	.61	.47	.23	.29	.28	.41	.83
6	.31	.46	.68	.64	.34	.35	.25	.24	.38	.49	.65	.82	.82	.85	.89	.91	.92	.88	.79	.48	.21	.33	.46	.28	.56	.92
7	.21	.53	.46	.35	.68	.69	.65	.75	.81	.85	.93	.94	.84	.81	.80	.85	.76	.78	.69	.55	.32	.24	.31	.64	.94	.94
8	.27	.26	.22	.18	.19	.27	.16	.23	.53	.48	.61	.74	.81	.75	.75	.66	.69	.47	.24	.19	.27	.25	.28	.22	.41	.81
9	.17	.20	.21	.20	.19	.18	.26	.21	.39	.50	.64	.59	.71	.68	.75	.80	.76	.68	.53	.25	.32	.18	.17	.24	.41	.80
10	.17	.19	.18	.21	.18	.20	.55	.71	.67	.69	.84	.85	.79	.97	.88	.89	.93	.88	.74	.79	.47	.34	.39	.34	.58	.97
11	.21	.18	.16	.17	.16	.16	.25	.23	.33	.65	.74	.85	.73	.85	.91	.93	.93	.92	.80	.67	.70	.72	.79	.57	.57	.93
12	.60	.24	.15	.17	.20	.16	.19	.28	.48	.58	.75	.72	.73	.69	.74	.73	.83	.82	.84	.83	.70	.67	.51	.23	.54	.84
13	.22	.19	.20	.19	.19	.21	.27	.27	.49	.57	.65	.64	.73	.71	.77	.68	.61	.38	.18	.17	.36	.22	.14	.29	.39	.76
14	.24	.23	.24	.19	.19	.21	.27	.27	.49	.57	.65	.64	.73	.71	.77	.68	.61	.38	.18	.17	.36	.22	.14	.29	.39	.76
15	.26	.23	.24	.24	.23	.23	.25	.25	.39	.52	.71	.66	.73	.76	.72	.73	.76	.87	.80	.75	.73	.60	.31	.17	.51	.87
16	.21	.26	.33	.35	.30	.31	.24	.37	.36	.59	.76	.71	.76	.67	.66	.72	.59	.50	.27	.19	.24	.33	.30	.29	.43	.76
17	.23	.21	.24	.26	.21	.18	.20	.22	.47	.50	.62	.65	.61	.63	.76	.63	.62	.48	.23	.19	.25	.22	.28	.33	.38	.76
18	.31	.20	.21	.23	.24	.22	.17	.23	.42	.58	.49	.66	.75	.75	.76	.71	.68	.57	.37	.29	.31	.46	.27	.28	.42	.76
19	.27	.22	.25	.20	.21	.20	.20	.23	.39	.55	.67	.69	.70	.77	.78	.76	.62	.59	.47	.27	.35	.37	.30	.29	.43	.78
20	.31	.17	.21	.23	.18	.17	.17	.21	.35	.47	.64	.67	.71	.69	.81	.64	.78	.63	.47	.26	.46	.45	.55	.47	.45	.84
21	.53	.46	.48	.40	.72	.50	.55	.63	.77	.87	.75	.65	.69	.66	.53	.30	.37	.30	.54	.35	.24	.21	.14	.14	.50	.87
22	.13	.18	.17	.13	.14	.13	.20	.24	.39	.44	.55	.66	.56	.66	.82	.77	.78	.72	.61	.54	.30	.38	.53	.49	.44	.82
23	.25	.20	.26	.23	.21	.21	.27	.18	.33	.47	.60	.64	.84	.76	.74	.79	.70	.47	.27	.15	.24	.39	.40	.36	.44	.84
24	.27	.23	.16	.17	.15	.18	.23	.23	.38	.46	.41	.56	.59	.43	.30	.42	.57	.55	.50	.37	.37	.46	.49	.47	.37	.59
25	.45	.50	.54	.42	.25	.41	.25	.27	.54	.76	.76	.76	.76	.71	.79	.70	.69	.64	.64	.52	.50	.44	.35	.69	.56	.79
26	.46	.33	.21	.25	.23	.23	.21	.29	.44	.68	.73	.73	.75	.79	.75	.77	.62	.57	.39	.20	.20	.24	.27	.29	.44	.79
27	.27	.45	.44	.46	.70	.20	.20	.29	.42	.53	.74	.70	.74	.68	.76	.77	.65	.56	.36	.18	.22	.25	.18	.22	.43	.77
28	.18	.17	.21	.24	.27	.25	.20	.27	.49	.63	.69	.73	.74	.79	.84	.79	.67	.37	.20	.15	.27	.41	.28	.16	.42	.84
29	.24	.21	.24	.24	.18	.26	.22	.27	.34	.45	.54	.75	.74	.80	.75	.77	.90	.50	.49	.40	.36	.27	.40	.32	.44	.90
30	.26	.26	.19	.14	.14	.14	.13	.18	.33	.39	.47	.70	.66	.25	.29	.39	.41	.31	.41	.53	.45	.39	.34	.32	.34	.70
AV	.29	.27	.28	.25	.23	.25	.26	.29	.43	.54	.63	.70	.72	.71	.72	.70	.67	.56	.47	.37	.37	.37	.35	.33	.45	.71
30	.13	.11	.13	.12	.10	.12	.12	.15	.12	.14	.12	.09	.13	.14	.14	.14	.15	.18	.21	.21	.16	.15	.16	.14	.07	.71

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAY, 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.24	.31	.22	.15	.17	.15	.17	.30	.52	.61	.68	.76	.70	.68	.67	.66	.55	.24	.37	.34	.34	.18	.16	.26	.34	.76	
2	.18	.16	.16	.24	.14	.16	.19	.33	.48	.52	.60	.65	.79	.81	.74	.79	.74	.47	.40	.27	.19	.24	.30	.23	.41	.81	
3	.27	.25	.20	.22	.20	.24	.21	.24	.27	.48	.67	.73	.74	.73	.56	.66	.58	.47	.42	.44	.44	.35	.23	.33	.42	.74	
4	.22	.32	.24	.18	.15	.15	.19	.23	.41	.54	.67	.76	.69	.74	.74	.72	.69	.60	.49	.46	.51	.46	.35	.52	.46	.76	
5	.53	.20	.15	.13	.17	.34	.31	.31	.41	.48	.51	.72	.67	.69	.66	.77	.67	.50	.35	.27	.18	.26	.31	.28	.41	.77	
6	.19	.17	.24	.26	.23	.23	.21	.28	.42	.64	.52	.72	.68	.64	.59	.61	.60	.50	.38	.37	.18	.20	.30	.19	.39	.72	
7	.14	.16	.17	.14	.13	.14	.17	.17	.34	.51	.47	.66	.77	.63	.64	.63	.41	.63	.41	.33	.28	.18	.22	.37	.77	.77	
8	.17	.27	.16	.14	.15	.13	.13	.14	.20	.39	.57	.49	.47	.45	.44	.63	.50	.65	.70	.73	.50	.72	.55	.41	.73	.41	
9	.27	.27	.26	.24	.22	.18	.17	.23	.48	.76	.83	.86	.79	.90	.87	.80	.56	.32	.22	.30	.25	.19	.25	.16	.83	.90	
10	.14	.14	.17	.20	.21	.23	.15	.22	.37	.77	.76	.75	.89	.93	.94	.92	.94	.81	.72	.48	.34	.21	.28	.17	.49	.94	
11	.15	.14	.21	.19	.24	.37	.33	.41	.45	.56	.55	.40	.37	.45	.60	.77	.51	.45	.31	.23	.17	.55	.46	.20	.34	.77	
12	.27	.55	.48	.30	.33	.23	.44	.46	.62	.64	.69	.69	.74	.76	.64	.64	.67	.54	.35	.31	.18	.15	.14	.13	.46	.76	
13	.14	.15	.14	.17	.21	.17	.21	.32	.44	.58	.52	.66	.72	.64	.58	.64	.82	.69	.42	.26	.22	.34	.34	.27	.40	.82	
14	.23	.34	.28	.23	.16	.16	.24	.28	.40	.49	.61	.49	.57	.58	.57	.61	.63	.63	.55	.42	.56	.46	.26	.20	.41	.63	
15	.15	.20	.26	.38	.20	.17	.21	.35	.46	.57	.66	.65	.62	.55	.47	.49	.49	.39	.30	.43	.47	.27	.24	.35	.39	.66	
16	.29	.21	.18	.21	.16	.17	.21	.22	.49	.60	.62	.68	.76	.67	.43	.85	.46	.75	.50	.69	.35	.24	.43	.51	.43	.76	
17	.48	.37	.33	.49	.56	.42	.33	.52	.51	.49	.42	.59	.60	.65	.59	.50	.40	.35	.24	.15	.19	.14	.15	.28	.41	.65	
18	.30	.24	.21	.21	.18	.19	.25	.40	.47	.52	.62	.69	.67	.68	.67	.60	.52	.43	.35	.17	.16	.32	.33	.24	.39	.69	
19	.23	.30	.23	.23	.24	.30	.28	.36	.51	.54	.63	.68	.64	.70	.64	.62	.59	.46	.30	.20	.24	.27	.36	.31	.41	.70	
20	.21	.21	.24	.20	.21	.23	.28	.31	.41	.52	.54	.62	.60	.57	.65	.57	.51	.45	.28	.18	.21	.27	.32	.38	.37	.65	
21	.28	.21	.20	.21	.24	.21	.24	.24	.37	.50	.60	.61	.62	.66	.55	.59	.56	.51	.27	.20	.23	.32	.35	.38	.34	.66	
22	.24	.20	.24	.21	.18	.17	.14	.21	.29	.37	.39	.55	.62	.60	.77	.73	.79	.76	.76	.56	.74	.35	.51	.55	.44	.80	
23	.60	.28	.31	.49	.41	.68	.74	.88	.88	.89	.90	.92	.92	.88	.91	.87	.84	.92	.92	.65	.35	.38	.59	.67	.70	.92	
24	.75	.84	.90	.93	.84	.76	.79	(.93)	.96	.95	.97	.97	.96	.89	.89	.83	.82	.73	.69	.68	.43	.45	.67	.51	.84	.97	
25	.53	.43	.65	.50	.33	.44	.69	.73	.75	.73	.77	.85	.85	.85	.84	.79	.60	.52	.32	.41	.25	.28	.22	.17	.56	.85	
26	.16	.18	.20	.26	.19	.21	.21	.38	.46	.58	.69	.78	.79	.83	.82	.82	.78	.80	.58	.33	.21	.21	.29	.26	.84	.83	
27	.25	.29	.23	.23	.21	.15	.18	.27	.48	.87	.85	.86	.86	.87	.84	.90	.87	.76	.68	.49	.28	.22	.22	.27	.51	.90	
28	.27	.39	.20	.20	.26	.21	.20	.36	.78	.87	.87	.90	.93	.87	.86	.82	.84	.84	.74	.47	.21	.22	.35	.47	.55	.93	
29	.56	.68	.50	.34	.26	.28	.32	.51	.35	.59	.75	.60	.77	.78	.82	.76	.62	.61	.50	.54	.48	.51	.34	.25	.54	.82	
30	.21	.24	.30	.25	.22	.20	.20	.38	.48	.60	.64	.69	.81	.71	.74	.83	.74	.67	.73	.60	.30	.34	.31	.36	.44	.83	
31	.30	.25	.30	.29	.24	.23	.20	.58	.70	.64	.75	.78	.74	.75	.71	.68	.64	.74	.76	.59	.40	.20	.34	.33	.51	.74	
AV	.29	.29	.28	.27	.25	.25	.28	.35	.49	.61	.65	.71	.72	.72	.70	.69	.65	.58	.49	.41	.34	.32	.33	.32	.46	.71	
SD	.15	.16	.16	.15	.14	.14	.17	.16	.17	.14	.14	.12	.13	.12	.13	.13	.14	.17	.19	.18	.18	.14	.14	.14	.14	.10	.71

STIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 1.30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUN. 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.20	.20	.30	.24	.36	.26	.30	.44	.54	.52	.68	.68	.74	.70	.80	.64	.46	.40	.56	.30	.28	.34	.40	.44	.44	.80
2	.34	.32	.26	.20	.20	.18	.16	.30	.68	.86	.80	.82	.88	.88	.86	.84	.86	.86	.84	.74	.42	.28	.34	.34	.44	.84
3	.24	.34	.34	.18	.24	.36	.30	.66	.92	.92	.90	.92	.92	.92	.90	.92	.84	.84	.78	.50	.34	.34	.36	.40	.40	.92
4	.36	.34	.56	.50	.44	.22	.24	.46	.82	.88	.92	.90	.88	.92	.90	.84	.86	.84	.70	.54	.54	.54	.58	.36	.64	.92
5	.38	.34	.22	.40	.34	.32	.34	.34	.84	.84	.84	.88	.88	.90	.90	.90	.88	.84	.78	.68	.68	.60	.48	.52	.62	.90
6	.28	.18	.40	.20	.20	.26	.72	.76	.76	.84	.86	.86	.88	.86	.90	.88	.84	.88	.80	.60	.40	.36	.22	.22	.60	.94
7	.20	.34	.40	.34	.26	.24	.20	.28	.54	.68	.78	.72	.72	.78	.84	.74	.62	.46	.24	.20	.20	.30	.30	.30	.46	.94
8	.26	.26	.22	.20	.24	.24	.30	.34	.44	.56	.72	.72	.68	.74	.72	.70	.70	.60	.34	.22	.24	.24	.24	.36	.44	.74
9	.24	.24	.30	.28	.24	.24	.36	.36	.46	.54	.74	.74	.74	.76	.76	.76	.64	.54	.44	.38	.22	.24	.30	.36	.44	.74
10	.44	.24	.14	.20	.24	.24	.26	.36	.50	.52	.62	.68	.80	.84	.88	.84	.74	.68	.60	.46	.42	.22	.26	.30	.56	.84
11	.28	.22	.26	.18	.14	.14	.14	.24	.40	.68	.88	.88	.88	.84	.84	.80	.76	.74	.70	.64	.54	.74	.70	.62	.56	.88
12	.42	.48	.22	.20	.24	.14	.24	.52	.72	.80	.80	.88	.84	.84	.84	.82	.84	.84	.80	.62	.50	.42	.24	.14	.56	.84
13	.18	.16	.20	.20	.18	.18	.22	.28	.38	.56	.82	.86	.84	.88	.86	.84	.80	.80	.72	.54	.60	.48	.46	.36	.52	.84
14	.30	.46	.24	.18	.28	.14	.16	.18	.44	.70	.80	.80	.86	.80	.82	.82	.74	.76	.78	.84	.82	.72	.54	.44	.54	.86
15	.32	.28	.24	.34	.34	.26	.36	.58	.62	.68	.74	.76	.72	.80	.80	.80	.78	.66	.56	.46	.32	.40	.28	.22	.50	.80
16	.18	.24	.18	.10	.14	.20	.28	.28	.44	.62	.66	.66	.70	.68	.68	.70	.62	.54	.30	.14	.14	.32	.26	.28	.40	.70
17	.18	.16	.20	.14	.14	.24	.18	.26	.44	.56	.64	.68	.68	.76	.76	.68	.52	.34	.12	.08	.16	.26	.24	.30	.34	.74
18	.30	.24	.18	.16	.18	.18	.20	.30	.38	.50	.66	.66	.72	.70	.68	.64	.68	.44	.34	.26	.56	.30	.36	.42	.72	.74
19	.36	.24	.18	.20	.24	.22	.22	.20	.32	.46	.66	.70	.76	.80	.86	.76	.66	.54	.34	.18	.22	.32	.28	.40	.42	.84
20	.26	.26	.20	.16	.18	.16	.16	.28	.44	.56	.60	.70	.58	.68	.76	.78	.72	.54	.56	.64	.54	.34	.30	.20	.44	.74
21	.16	.16	.14	.16	.18	.14	.18	.30	.30	.48	.64	.72	.80	.82	.80	.74	.76	.64	.88	.26	.14	.22	.30	.24	.40	.82
22	.22	.18	.14	.12	.12	.16	.18	.22	.42	.48	.56	.64	.74	.72	.80	.78	.70	.60	.54	.52	.36	.20	.22	.14	.40	.80
23	.22	.30	.60	.46	.40	.54	.34	.64	.84	.86	.92	.90	.86	.86	.90	.92	.92	.82	.40	.72	.54	.46	.30	.20	.64	.92
24	.24	.24	.20	.20	.22	.20	.18	.26	.34	.46	.62	.84	.86	.84	.82	.84	.84	.74	.76	.54	.34	.26	.42	.50	.84	.92
25	.44	.40	.22	.22	.16	.18	.16	.26	.46	.62	.82	.90	.84	.86	.84	.82	.84	.84	.82	.76	.54	.34	.26	.42	.50	.84
26	.36	.30	.34	.24	.16	.16	.18	.28	.46	.82	.88	.90	.86	.88	.84	.82	.84	.82	.76	.76	.64	.34	.34	.34	.54	.90
27	.38	.34	.54	.46	.40	.42	.54	.50	.56	.56	.68	.74	.82	.82	.84	.88	.88	.82	.40	.36	.24	.20	.18	.18	.54	.94
28	.22	.30	.28	.18	.18	.22	.22	.30	.36	.62	.68	.76	.76	.74	.74	.74	.66	.54	.42	.18	.14	.20	.20	.42	.74	.74
29	.22	.20	.18	.18	.22	.24	.26	.34	.36	.56	.66	.74	.74	.74	.74	.72	.64	.76	.46	.26	.46	.28	.28	.36	.44	.76
30	.20	.24	.20	.14	.16	.16	.26	.20	.24	.44	.54	.66	.78	.82	.74	.78	.74	.64	.34	.14	.64	.34	.42	.22	.44	.82
AV	.28	.28	.26	.22	.24	.24	.24	.34	.50	.64	.74	.78	.80	.80	.82	.80	.74	.70	.60	.50	.42	.34	.32	.50	.50	.80
SD	.08	.10	.12	.10	.04	.04	.12	.14	.16	.14	.10	.10	.08	.04	.06	.04	.12	.14	.20	.22	.20	.16	.12	.12	.04	.80

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUL. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.10	.12	.16	.18	.16	.10	.32	.52	.54	.44	.40	.68	.66	.58	.66	.58	.56	.56	.60	.56	.42	.40	.36	.14	.40	.68
2	.18	.16	.14	.14	.18	.20	.28	.28	.38	.52	.64	.68	.56	.56	.46	.48	.52	.36	.46	.46	.50	.46	.34	.32	.34	.68
3	.30	.26	.28	.24	.24	.18	.24	.24	.58	.62	.70	.66	.68	.66	.68	.68	.70	.58	.28	.24	.42	.24	.26	.24	.42	.70
4	.34	.44	.68	.64	.74	.70	.62	.62	.62	.64	.76	.74	.64	.80	.72	.72	.62	.52	.30	.18	.24	.24	.36	.36	.54	.84
5	.32	.40	.20	.20	.18	.20	.24	.44	.60	.68	.76	.78	.84	.80	.84	.80	.60	.60	.34	.22	.46	.46	.38	.44	.84	.84
6	.24	.24	.16	.16	.16	.22	.24	.46	.52	.64	.66	.74	.74	.76	.74	.74	.82	.62	.44	.24	.22	.34	.30	.44	.82	.82
7	.36	.34	.40	.36	.32	.26	.26	.24	.34	.38	.62	.90	.92	.86	.68	.72	.80	.68	.68	.50	.52	.34	.18	.62	.50	.92
8	.76	.60	.52	.40	.22	.18	.18	.64	.70	.76	.82	.84	.76	.74	.78	.76	.74	.84	.84	.36	.38	.32	.16	.18	.54	.84
9	.16	.24	.28	.24	.16	.16	.24	.52	.70	.68	.74	.76	.78	.78	.78	.68	.52	.42	.34	.26	.26	.30	.42	.44	.74	.84
10	.24	.30	.30	.24	.20	.18	.22	.32	.48	.52	.62	.74	.76	.82	.78	.68	.68	.78	.74	.74	.42	.32	.20	.18	.48	.82
11	.16	.16	.24	.22	.24	.24	.22	.36	.56	.68	.72	.76	.72	.70	.72	.64	.54	.32	.16	.26	.24	.24	.34	.50	.42	.76
12	.32	.26	.16	.18	.20	.28	.30	.48	.70	.60	.62	.58	.34	.80	.90	.82	.78	.62	.30	.14	.42	.72	.62	.26	.48	.90
13	.18	.20	.28	.20	.22	.42	.40	.32	.50	.78	.74	.62	.70	.78	.82	.70	.74	.64	.46	.42	.34	.42	.36	.26	.48	.82
14	.22	.18	.16	.16	.20	.28	.34	.40	.58	.66	.72	.76	.84	.86	.84	.84	.78	.80	.72	.52	.40	.40	.30	.24	.50	.84
15	.22	.22	.18	.16	.16	.18	.16	.22	.42	.58	.72	.72	.78	.76	.80	.80	.76	.72	.64	.64	.44	.26	.20	.32	.46	.80
16	.36	.32	.24	.22	.26	.26	.24	.34	.50	.60	.64	.66	.74	.80	.78	.78	.74	.60	.34	.18	.16	.28	.30	.26	.44	.80
17	.32	.34	.20	.20	.24	.32	.24	.30	.46	.50	.64	.76	.76	.80	.80	.76	.76	.76	.62	.62	.46	.20	.20	.24	.44	.80
18	.42	.38	.28	.32	.34	.24	.24	.24	.46	.58	.60	.72	.70	.76	.84	.80	.76	.58	.54	.30	.18	.34	.28	.32	.84	.84
19	.30	.28	.16	.14	.16	.14	.16	.20	.44	.62	.74	.76	.74	.80	.82	.78	.74	.64	.62	.72	.62	.40	.24	.18	.84	.84
20	.26	.22	.24	.24	.22	.24	.28	.24	.44	.62	.66	.72	.78	.80	.84	.80	.70	.66	.44	.32	.24	.22	.22	.20	.44	.84
21	.30	.32	.34	.28	.24	.20	.24	.38	.62	.66	.74	.78	.76	.76	.78	.74	.64	.44	.20	.14	.24	.24	.34	.36	.44	.78
22	.26	.38	.30	.30	.20	.18	.16	.24	.48	.52	.64	.74	.80	.80	.80	.78	.80	.64	.54	.32	.24	.18	.18	.28	.44	.80
23	.42	.38	.28	.16	.16	.20	.18	.28	.40	.62	.68	.56	.64	.74	.78	.74	.42	.32	.30	.18	.16	.24	.32	.24	.40	.78
24	.18	.18	.24	.20	.20	.18	.24	.34	.58	.62	.72	.76	.72	.72	.72	.68	.54	.66	.80	.76	.74	.34	.24	.18	.44	.80
25	.20	.18	.22	.24	.22	.20	.22	.34	.48	.76	.62	.74	.76	.72	.76	.68	.50	.40	.30	.26	.34	.46	.52	.26	.44	.76
26	.24	.28	.36	.38	.30	.20	.24	.34	.44	.54	.66	.72	.80	.76	.80	.80	.74	.64	.42	.46	.42	.28	.24	.26	.44	.80
27	.30	.40	.28	.26	.18	.28	.26	.32	.42	.62	.74	.70	.76	.78	.80	.76	.66	.60	.38	.22	.18	.40	.48	.12	.44	.80
28	.36	.28	.28	.24	.20	.26	.34	.40	.44	.60	.70	.74	.68	.68	.68	.60	.52	.36	.16	.14	.32	.26	.24	.42	.74	.80
29	.20	.12	.14	.20	.20	.20	.14	.22	.34	.46	.60	.70	.80	.72	.58	.50	.48	.38	.18	.20	.36	.20	.24	.36	.80	.80
30	.32	.16	.12	.20	.20	.18	.30	.46	.54	.60	.72	.68	.76	.76	.70	.66	.64	.56	.42	.46	.44	.24	.34	.44	.76	.80
31	.28	.24	.28	.32	.24	.22	.26	.38	.50	.66	.70	.74	.66	.66	.66	.66	.50	.60	.58	.48	.32	.16	.12	.22	.42	.74
AV	.28	.28	.26	.26	.22	.24	.32	.46	.58	.64	.70	.74	.76	.76	.74	.68	.74	.68	.62	.52	.34	.34	.30	.28	.46	.80
SD	.12	.10	.12	.12	.10	.10	.10	.10	.10	.08	.08	.10	.06	.08	.08	.10	.10	.12	.16	.18	.16	.10	.12	.10	.04	.80

SIGMA W (CC21)

METERS/SECOND

LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.24	.18	.22	.20	.24	.20	.22	.18	.16	.16	.64	.68	.72	.70	.72	.72	.66	.76	.34	.18	.34	.38	.18	.14	.34	.76	
2	.14	.20	.18	.14	.18	.20	.18	.24	.46	.58	.60	.78	.76	.78	.74	.70	.68	.64	.70	.46	.30	.20	.18	.24	.42	.78	
3	.24	.24	.36	.24	.18	.36	.32	.28	.30	.42	.58	.82	.88	.92	.88	.90	.96	.94	.94	.84	.72	.64	.34	.32	.56	.96	
4	.26	.24	.16	.22	.16	.12	.12	.20	.40	.58	.68	.70	.74	.76	.76	.74	.70	.72	.64	.62	.38	.20	.28	.34	.44	.76	
5	.36	.26	.22	.14	.14	.16	.14	.26	.32	.54	.58	.58	.70	.60	.60	.68	.72	.66	.56	.32	.24	.22	.42	.48	.42	.72	
6	.24	.26	.18	.14	.12	.14	.14	.22	.44	.60	.74	.66	.74	.78	.82	.74	.66	.62	.54	.30	.22	.22	.24	.20	.42	.42	
7	.14	.12	.20	.38	.18	.12	.14	.18	.28	.46	.58	.68	.72	.70	.72	.68	.62	.50	.42	.24	.20	.24	.20	.20	.36	.72	
8	.28	.28	.28	.24	.22	.16	.20	.20	.30	.46	.58	.66	.72	.76	.78	.70	.52	.34	.16	.16	.16	.24	.44	.40	.40	.78	
9	.36	.58	.40	.14	.16	.18	.20	.46	.64	.66	.68	.76	.78	.78	.70	.72	.68	.62	.46	.18	.14	.14	.24	.28	.46	.78	
10	.38	.18	.20	.30	.18	.18	.24	.28	.40	.50	.56	.62	.74	.80	.78	.80	.72	.74	.64	.60	.54	.14	.14	.24	.46	.80	
11	.22	.12	.20	.24	.20	.16	.16	.20	.44	.44	.60	.54	.64	.70	.68	.64	.60	.54	.28	.12	.14	.38	.34	.42	.38	.70	
12	.30	.30	.24	.30	.18	.18	.18	.20	.34	.66	.64	.68	.68	.76	.68	.62	.60	.56	.36	.24	.44	.66	.64	.34	.44	.76	
13	.18	.10	.12	.20	.18	.22	.22	.22	.20	.36	.66	.66	.74	.74	.66	.74	.56	.58	.46	.30	.30	.62	.44	.32	.42	.74	
14	.14	.14	.14	.10	.08	.18	.18	.30	.44	.56	.64	.70	.70	.82	.82	.86	.72	.80	.54	.58	.54	.22	.22	.26	.42	.42	
15	.18	.20	.20	.52	.70	.38	.22	.12	.24	.50	.48	.34	.58	.78	.88	.86	.72	.80	.36	.38	.60	.46	.24	.24	.46	.84	
16	.22	.26	.28	.28	.30	.28	.28	.28	.30	.32	.32	.34	.34	.34	.36	.36	.34	.34	.34	.30	.30	.24	.24	.24	.46	.84	
17	.28	.28	.28	.28	.28	.28	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.36	
18	.28	.28	.26	.26	.24	.24	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.36	
19	.26	.26	.26	.26	.24	.24	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.36	
20	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.36	
21	.28	.28	.28	.28	.24	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.36	
22	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.26	.36	
23	.34	.36	.46	.38	.28	.22	.16	.24	.66	.74	.74	.70	.68	.72	.80	.76	.32	.42	.46	.56	.72	.74	.46	.36	.52	.80	
24	.22	.14	.16	.14	.18	.24	.20	.16	.28	.38	.48	.70	.66	.56	.56	.58	.64	.52	.52	.52	.28	.28	.50	.72	.40	.72	
25	.30	.14	.20	.38	.34	.26	.20	.36	.34	.32	.24	.46	.46	.36	.54	.62	.50	.34	.24	.14	.16	.22	.22	.18	.62	.62	
26	.14	.16	.22	.16	.14	.24	.20	.30	.40	.56	.56	.64	.62	.62	.64	.64	.58	.50	.42	.38	.14	.14	.24	.24	.34	.64	
27	.16	.20	.16	.18	.18	.18	.16	.22	.30	.40	.52	.56	.58	.56	.64	.74	.72	.58	.42	.32	.22	.16	.16	.24	.34	.74	
28	.22	.20	.10	.12	.12	.14	.14	.16	.24	.44	.46	.68	.62	.78	.80	.76	.68	.60	.66	.62	.70	.64	.64	.62	.48	.82	.82
29	.54	.48	.46	.54	.16	.20	.16	.12	.20	.46	.66	.70	.76	.80	.82	.76	.72	.74	.62	.38	.24	.24	.34	.24	.48	.82	
30	.28	.22	.18	.12	.14	.16	.16	.18	.20	.24	.40	.44	.46	.60	.62	.74	.70	.68	.62	.64	.42	.14	.14	.18	.18	.82	
31	.18	.28	.22	.20	.26	.16	.24	.22	.30	.40	.46	.46	.72	.76	.74	.72	.66	.50	.26	.16	.30	.24	.24	.24	.36	.76	
AV	.26	.24	.24	.24	.22	.22	.20	.24	.46	.54	.58	.64	.64	.66	.66	.66	.60	.58	.46	.38	.34	.32	.30	.30	.40	.76	
SD	.04	.10	.08	.10	.10	.06	.06	.08	.10	.12	.12	.14	.14	.16	.16	.14	.14	.14	.16	.18	.16	.14	.12	.14	.06	.76	

SIGMA W (CG121)

METERS/SECOND
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

SEP, 1960

AEROVIRONMENT INC.

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* * * * * FINAL DATA * * *
* * * * * AS OF 31/MAR/61 * * *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.30	.22	.22	.24	.24	.14	.24	.20	.42	.40	.50	.50	.72	.70	.64	.50	.40	.40	.16	.10	.14	.16	.14	.14	.34	.72
2	.14	.20	.24	.16	.14	.14	.14	.18	.34	.40	.56	.62	.66	.70	.74	.78	.74	.66	.44	.20	.28	.42	.54	.24	.40	.74
3	.20	.32	.32	.16	.10	.14	.12	.14	.28	.42	.62	.66	.64	.66	.64	.72	.66	.50	.34	.20	.26	.26	.24	.24	.40	.74
4	.20	.32	.20	.24	.18	.12	.16	.26	.36	.50	.60	.54	.58	.60	.64	.66	.54	.34	.18	.12	.22	.30	.20	.24	.34	.66
5	.18	.18	.20	.22	.18	.14	.14	.14	.32	.42	.50	.60	.60	.60	.64	.54	.44	.22	.16	.20	.20	.30	.32	.16	.34	.64
6	.16	.18	.14	.12	.14	.20	.24	.22	.38	.60	.68	.68	.72	.76	.72	.64	.58	.44	.22	.16	.28	.28	.18	.26	.34	.74
7	.26	.18	.20	.10	.12	.10	.10	.10	.20	.32	.28	.26	.28	.30	.36	.32	.26	.24	.26	.12	.12	.12	.12	.12	.20	.36
8	.22	.14	.14	.10	.14	.18	.20	.16	.20	.38	.38	.24	.24	.34	.42	.34	.32	.20	.14	.26	.16	.10	.08	.20	.24	.50
9	.08	.08	.10	.08	.08	.08	.10	.26	.36	.48	.32	.26	.34	.42	.38	.28	.20	.14	.22	.34	.18	.22	.28	.30	.24	.48
10	.20	.14	.16	.16	.14	.12	.20	.20	.28	.60	.72	.72	.76	.74	.72	.70	.66	.34	.18	.26	.22	.18	.22	.22	.36	.76
11	.20	.22	.24	.18	.14	.10	.08	.16	.24	.50	.60	.60	.64	.64	.66	.52	.50	.32	.12	.36	.26	.28	.34	.18	.34	.66
12	.20	.22	.24	.18	.14	.10	.08	.16	.24	.50	.60	.60	.64	.64	.66	.52	.50	.32	.12	.36	.26	.28	.34	.18	.34	.66
13	.20	.18	.20	.16	.10	.12	.10	.12	.28	.42	.50	.74	.84	.82	.80	.72	.62	.50	.20	.16	.20	.16	.24	.24	.40	.84
14	.24	.20	.20	.22	.20	.16	.16	.18	.22	.46	.70	.74	.58	.64	.68	.52	.52	.24	.10	.18	.28	.16	.14	.14	.32	.74
15	.16	.14	.12	.12	.18	.16	.14	.16	.38	.44	.52	.58	.62	.68	.68	.66	.64	.50	.40	.34	.30	.28	.18	.14	.36	.68
16	.16	.14	.10	.08	.12	.18	.20	.16	.32	.54	.74	.78	.76	.74	.76	.72	.72	.66	.70	.68	.54	.48	.42	.28	.44	.78
17	.30	.26	.24	.32	.40	.34	.34	.30	.26	.44	.60	.64	.66	.68	.62	.58	.50	.40	.22	.14	.20	.36	.34	.30	.40	.68
18	.26	.22	.20	.22	.18	.16	.16	.14	.24	.42	.42	.58	.58	.56	.82	.80	.74	.68	.60	.40	.66	.86	.80	.66	.84	.84
19	.52	.50	.48	.54	.64	.56	.54	.60	.74	.78	.78	.80	.78	.74	.74	.68	.68	.54	.46	.44	.46	.60	.38	.20	.60	.80
20	.30	.18	.14	.22	.22	.22	.20	.24	.34	.46	.58	.66	.66	.64	.64	.64	.52	.34	.20	.30	.28	.28	.34	.24	.36	.66
21	.20	.18	.16	.12	.12	.14	.14	.26	.30	.46	.68	.76	.70	.78	.88	.82	.60	.46	.40	.34	.46	.20	.16	.14	.40	.84
22	.08	.12	.14	.14	.10	.10	.12	.20	.30	.52	.60	.62	.66	.64	.66	.60	.48	.34	.12	.12	.22	.18	.22	.20	.32	.66
23	.20	.18	.22	.26	.22	.24	.20	.32	.40	.64	.74	.70	.68	.66	.68	.58	.52	.22	.16	.12	.18	.28	.14	.18	.34	.64
24	.24	.26	.26	.38	.28	.22	.24	.32	.30	.44	.64	.74	.70	.68	.68	.56	.46	.26	.10	.18	.20	.16	.20	.24	.36	.74
25	.20	.18	.24	.42	.24	.26	.18	.14	.34	.46	.56	.66	.68	.62	.62	.58	.50	.32	.12	.14	.14	.18	.18	.18	.34	.68
26	.20	.16	.14	.14	.18	.16	.16	.16	.28	.44	.46	.56	.62	.60	.60	.56	.48	.22	.14	.24	.16	.14	.28	.28	.30	.62
27	.20	.16	.14	.12	.16	.18	.20	.14	.22	.34	.50	.58	.68	.58	.62	.56	.44	.24	.10	.20	.20	.24	.16	.14	.30	.68
28	.14	.18	.18	.20	.22	.18	.18	.12	.34	.46	.48	.58	.60	.66	.66	.56	.44	.14	.12	.22	.20	.16	.14	.16	.30	.66
29	.18	.22	.28	.20	.14	.26	.24	.26	.38	.58	.62	.56	.64	.58	.56	.52	.26	.10	.12	.28	.28	.34	.28	.28	.34	.64
30	.18	.26	.24	.18	.16	.16	.18	.20	.24	.36	.44	.52	.54	.56	.66	.52	.34	.18	.10	.24	.20	.24	.26	.22	.30	.66
AV	.22	.20	.20	.20	.18	.18	.18	.20	.32	.44	.56	.58	.60	.62	.64	.60	.52	.38	.26	.24	.26	.26	.26	.22	.34	.66
80	.08	.08	.08	.10	.10	.08	.10	.10	.10	.12	.16	.16	.16	.12	.12	.12	.14	.16	.16	.12	.12	.16	.14	.10	.08	.66

ADOUT (29 JAN 61)

SIGMA W (CC1211)

METERS/SECOND
LEVEL HEIGHT 4 30 METERS

WHITE RIVER SHALE PROJECT, M139
HONANZA, UTAH
SITE 6

OCT. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.16	.24	.26	.24	.20	.22	.24	.26	.24	.44	.46	.56	.60	.62	.60	.52	.42	.24	.16	.24	.34	.38	.36	.32	.34	.62
2	.22	.26	.38	.30	.20	.26	.38	.44	.56	.58	.70	.72	.68	.66	.62	.50	.36	.20	.04	.16	.18	.22	.16	.24	.34	.72
3	.22	.22	.18	.18	.20	.18	.14	.14	.32	.36	.46	.52	.58	.52	.56	.52	.30	.14	.10	.14	.28	.34	.14	.24	.30	.58
4	.26	.14	.20	.20	.24	.24	.18	.18	.30	.44	.46	.56	.60	.66	.64	.50	.32	.16	.14	.18	.18	.22	.20	.22	.32	.66
5	.20	.24	.22	.24	.24	.24	.22	.24	.26	.40	.48	.54	.60	.56	.62	.58	.44	.24	.12	.14	.20	.24	.24	.24	.32	.62
6	.14	.14	.16	.20	.16	.18	.14	.14	.28	.38	.46	.62	.60	.60	.56	.44	.34	.18	.08	.14	.22	.20	.20	.20	.30	.62
7	.14	.22	.22	.18	.18	.22	.20	.14	.18	.34	.52	.54	.52	.58	.54	.46	.28	.10	.12	.22	.20	.24	.18	.20	.24	.58
8	.28	.20	.24	.24	.20	.18	.18	.18	.24	.32	.42	.48	.50	.58	.54	.58	.44	.22	.12	.14	.20	.24	.30	.28	.32	.54
9	.28	.20	.14	.14	.14	.24	.36	.28	.32	.42	.66	.62	.66	.66	.62	.54	.44	.22	.12	.14	.20	.30	.16	.20	.34	.66
10	.18	.22	.18	.18	.18	.16	.14	.16	.24	.40	.54	.48	.54	.56	.52	.48	.34	.16	.20	.18	.18	.16	.16	.16	.24	.56
11	.18	.22	.18	.18	.18	.16	.14	.16	.24	.40	.54	.48	.54	.56	.52	.48	.34	.16	.20	.18	.18	.16	.16	.16	.24	.56
12	.12	.20	.30	.14	.10	.10	.10	.12	.18	.26	.38	.40	.36	.38	.18	.20	.34	.44	.28	.18	.24	.36	.40	.24	.18	.44
13	.12	.20	.30	.14	.10	.10	.10	.12	.18	.26	.38	.40	.36	.38	.18	.20	.34	.44	.28	.18	.24	.36	.40	.24	.18	.44
14	.16	.14	.18	.20	.18	.14	.14	.14	.18	.28	.30	.44	.40	.32	.42	.44	.46	.86	.70	.52	.30	.18	.22	.42	.32	.86
15	.38	.32	.54	.38	.36	.50	.72	.42	.40	.62	.64	.76	.62	.64	.64	.74	.54	.42	.24	.20	.26	.22	.24	.16	.44	.82
16	.22	.26	.14	.28	.30	.22	.28	.20	.24	.28	.30	.40	.44	.44	.52	.44	.44	.38	.58	.46	.68	.64	.54	.56	.34	.68
17	.58	.32	.16	.16	.20	.24	.34	.32	.38	.60	.64	.64	.74	.70	.60	.72	.54	.42	.56	.54	.42	.34	.20	.24	.34	.74
18	.30	.32	.42	.24	.24	.24	.32	.38	.38	.46	.52	.56	.64	.60	.54	.50	.34	.14	.16	.28	.34	.20	.24	.24	.34	.64
19	.30	.24	.28	.20	.18	.20	.16	.16	.22	.44	.46	.56	.56	.54	.46	.44	.42	.22	.14	.16	.28	.20	.24	.24	.34	.64
20	.24	.20	.18	.20	.18	.20	.16	.16	.22	.44	.46	.56	.56	.54	.46	.44	.42	.22	.14	.16	.28	.20	.24	.24	.34	.64
21	.22	.24	.20	.20	.24	.24	.26	.18	.20	.36	.46	.56	.58	.60	.60	.52	.38	.16	.22	.20	.20	.14	.24	.24	.30	.60
22	.16	.14	.14	.18	.18	.14	.14	.16	.18	.28	.56	.62	.64	.64	.62	.64	.66	.64	.72	.54	.48	.24	.24	.24	.30	.64
23	.18	.20	.18	.24	.52	.70	.56	.34	.60	.68	.72	.74	.66	.62	.60	.50	.40	.20	.14	.20	.22	.14	.22	.14	.40	.74
24	.20	.18	.20	.20	.20	.24	.20	.18	.24	.34	.46	.56	.62	.60	.56	.52	.46	.24	.14	.14	.14	.20	.22	.24	.34	.64
25	.26	.20	.22	.18	.18	.20	.18	.18	.24	.34	.46	.56	.62	.56	.52	.50	.46	.24	.14	.14	.20	.22	.24	.24	.34	.64
26	.28	.18	.16	.14	.14	.14	.14	.14	.16	.14	.24	.24	.24	.24	.30	.26	.18	.14	.16	.12	.14	.14	.14	.12	.22	.64
27	.12	.14	.14	.14	.22	.30	.18	.14	.24	.48	.64	.72	.74	.80	.74	.74	.74	.74	.70	.60	.58	.64	.40	.24	.44	.64
28	.32	.30	.18	.16	.16	.14	.14	.12	.22	.38	.44	.54	.66	.52	.54	.46	.34	.20	.20	.12	.22	.24	.14	.14	.30	.66
29	.18	.18	.20	.24	.14	.18	.12	.10	.20	.36	.42	.44	.44	.48	.46	.44	.26	.12	.10	.10	.20	.16	.20	.20	.24	.54
30	.16	.18	.22	.14	.12	.12	.14	.10	.18	.24	.44	.44	.52	.50	.44	.46	.24	.12	.08	.14	.16	.16	.20	.22	.24	.52
31	.20	.20	.16	.16	.14	.16	.14	.14	.14	.22	.34	.36	.46	.50	.44	.42	.24	.14	.10	.12	.16	.14	.14	.20	.22	.50
AV	.22	.22	.22	.20	.20	.22	.22	.20	.24	.40	.48	.56	.60	.54	.56	.50	.40	.26	.24	.24	.24	.26	.24	.24	.34	.62
90	.08	.06	.04	.06	.04	.12	.14	.08	.10	.12	.10	.10	.10	.12	.12	.12	.14	.20	.20	.14	.14	.12	.04	.04	.04	.06

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH
SITE 6

DEC. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.22	.20	.18	.14	.16	.20	.26	.28	.26	.40	.38	.70	.58	.50	.46	.36	.22	.20	.18	.22	.24	.16	.20	.14	.24	.70
2	.14	.14	.14	.14	.14	.16	.14	.18	.20	.26	.34	.30	.32	.28	.24	.16	.14	.14	.12	.14	.16	.14	.16	.14	.14	.14
3	.14	.14	.14	.14	.14	.14	.14	.24	.18	.18	.20	.32	.28	.36	.38	.30	.62	.44	.36	.44	.42	.32	.18	.18	.14	.62
4	.18	.24	.18	.16	.26	.22	.26	.78	.80	.88	.92	.96	.94	.90	.88	.76	.68	.84	.40	.22	.36	.44	.64	.84	.62	
5	.30	.44	.56	.50	.22	.40	.22	.14	.16	.16	.24	.28	.34	.26	.26	.38	.30	.22	.18	.14	.16	.16	.14	.14	.56	
6	.14	.14	.14	.14	.12	.14	.12	.12	.12	.16	.20	.32	.44	.34	.20	.20	.20	.36	.28	.20	.16	.14	.14	.12	.20	.44
7	.14	.12	.14	.14	.14	.14	.14	.14	.14	.14	.20	.34	.26	.30	.40	.28	.18	.20	.44	.44	.28	.24	.24	.24	.22	.44
8	.26	.22	.32	.18	.14	.16	.14	.20	.22	.38	.46	.52	.54	.60	.54	.48	.24	.14	.16	.24	.24	.24	.46	.26	.32	.60
9	.22	.18	.20	.20	.20	.20	.26	.20	.16	.28	.44	.54	.48	.54	.50	.40	.18	.14	.20	.32	.28	.24	.20	.24	.28	.54
10	.22	.20	.20	.20	.20	.20	.26	.20	.16	.28	.36	.42	.54	.46	.42	.32	.18	.12	.14	.14	.18	.20	.18	.18	.24	.54
11	.24	.22	.20	.16	.16	.16	.16	.14	.14	.24	.40	.42	.48	.44	.44	.32	.18	.14	.14	.18	.18	.18	.18	.18	.24	.48
12	.18	.20	.22	.16	.18	.16	.14	.16	.18	.24	.36	.42	.48	.50	.40	.22	.14	.16	.14	.18	.14	.18	.18	.18	.24	.48
13	.20	.20	.18	.18	.18	.20	.20	.20	.16	.22	.34	.34	.48	.44	.42	.34	.16	.14	.18	.22	.16	.16	.16	.18	.22	.50
14	.26	.22	.20	.18	.16	.18	.28	.20	.14	.22	.38	.42	.44	.44	.42	.32	.20	.16	.14	.14	.14	.18	.20	.16	.24	.48
15	.20	.20	.18	.16	.16	.16	.16	.16	.16	.20	.24	.32	.38	.40	.40	.26	.16	.16	.20	.14	.16	.18	.20	.18	.22	.40
16	.14	.14	.14	.14	.14	.16	.14	.14	.14	.18	.18	.28	.38	.38	.38	.28	.18	.16	.14	.14	.14	.18	.20	.18	.22	.40
17	.18	.20	.18	.18	.20	.14	.14	.18	.14	.18	.28	.32	.44	.46	.34	.24	.18	.14	.14	.14	.16	.20	.16	.18	.20	.38
18	.16	.18	.16	.14	.14	.16	.14	.14	.14	.18	.26	.42	.46	.46	.28	.24	.18	.14	.14	.14	.16	.20	.16	.18	.20	.46
19	.18	.22	.20	.16	.20	.16	.16	.16	.16	.20	.28	.42	.46	.46	.44	.28	.16	.14	.14	.24	.14	.14	.20	.20	.24	.46
20	.18	.18	.18	.14	.14	.16	.16	.16	.14	.18	.30	.38	.30	.46	.46	.32	.20	.14	.14	.16	.18	.14	.14	.16	.22	.44
21	.16	.20	.16	.14	.14	.16	.16	.16	.14	.18	.30	.38	.30	.46	.46	.32	.20	.14	.14	.16	.18	.14	.14	.16	.22	.44
22	.14	.14	.18	.18	.20	.18	.20	.18	.18	.22	.34	.34	.50	.30	.46	.26	.16	.14	.14	.14	.14	.16	.14	.12	.24	.50
23	.14	.14	.16	.24	.32	.34	.24	.24	.22	.32	.42	.46	.52	.50	.46	.38	.20	.14	.24	.30	.32	.34	.32	.24	.30	.52
24	.20	.24	.24	.22	.16	.18	.20	.18	.18	.20	.28	.36	.32	.34	.32	.18	.14	.14	.14	.14	.14	.14	.14	.14	.20	.36
25	.14	.14	.16	.20	.18	.14	.16	.18	.14	.20	.28	.34	.34	.34	.28	.14	.14	.14	.12	.20	.20	.20	.30	.34	.20	.34
26	.32	.30	.30	.30	.18	.14	.16	.18	.16	.18	.26	.38	.40	.42	.38	.32	.22	.14	.14	.14	.14	.20	.18	.24	.20	.34
27	.18	.18	.18	.18	.14	.14	.16	.18	.16	.14	.28	.38	.42	.36	.40	.20	.14	.14	.14	.14	.14	.14	.14	.14	.20	.42
28	.18	.14	.16	.16	.14	.22	.16	.14	.14	.18	.20	.30	.32	.40	.34	.28	.18	.14	.14	.16	.22	.14	.14	.14	.20	.42
29	.20	.18	.20	.20	.20	.20	.24	.24	.24	.32	.44	.50	.54	.44	.34	.18	.14	.14	.14	.14	.14	.22	.14	.14	.20	.40
30	.18	.18	.20	.20	.18	.18	.14	.18	.20	.24	.36	.38	.38	.46	.44	.34	.20	.16	.14	.14	.14	.14	.14	.14	.24	.54
31	.24	.18	.18	.22	.18	.18	.22	.16	.12	.24	.28	.36	.46	.46	.40	.34	.18	.14	.14	.14	.14	.14	.14	.14	.24	.44
AV	.20	.20	.20	.18	.16	.18	.18	.20	.18	.24	.34	.40	.44	.44	.40	.30	.22	.20	.18	.20	.20	.20	.22	.20	.24	.1
SD	.04	.06	.08	.06	.04	.06	.04	.12	.12	.14	.12	.14	.12	.12	.12	.10	.12	.14	.08	.08	.06	.08	.10	.06	.04	.1

NET SOLAR RADIATION (SKY-GROUND) (CC4271)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 6

JAN, 1980

AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
2	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
3	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
4	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
5	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
6	.06	.06	.06	.06	.05	.06	.05	.06	.05	.01	.15	.16	.10	.05	.01	.09	.15	.12	.10	.10	.07	.06	.07	.07	.07	-.04	.16
7	.06	.06	.09	.08	.06	.06	.05	.06	.11	.04	.09	.10	.07	.03	.01	.07	.13	.10	.01	.11	.09	.07	.06	.02	.02	-.04	.10
8	.06	.05	.07	.06	.06	.07	.07	.06	.04	.00	.04	.08	.11	.03	.00	.03	.05	.06	.06	.09	.03	.08	.08	.08	.08	-.04	.11
9	.11	.10	.09	.06	.05	.08	.06	.05	.03	.02	.07	.06	.05	.01	.05	.05	.06	.07	.06	.06	.07	.08	.07	.07	.07	-.04	.07
10	.07	.07	.08	.08	.11	.11	.11	.09	.12	.36	.44	.44	.02	.02	.04	.10	.13	.14	.14	.14	.14	.13	.12	.11	.11	-.02	.44
11	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
12	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
13	.07	.07	.07	.07	.06	.06	.06	.05	.04	.18	.15	.10	.03	.01	.02	.05	.05	.05	.06	.05	.05	.05	.08	.06	.06	-.02	.18
14	.05	.05	.06	.06	.06	.05	.05	.05	.04	.02	.05	.07	.21	.22	.10	.02	.05	.07	.07	.06	.08	.06	.08	.08	.08	-.02	.22
15	.05	.05	.06	.06	.06	.06	.06	.05	.02	.19	.18	.21	.40	.23	.11	.07	.11	.09	.08	.05	.05	.05	.05	.05	.05	.01	.40
16	.05	.05	.05	.05	.05	.05	.06	.05	.05	.01	.05	.15	.29	.27	.17	.06	.03	.09	.10	.06	.06	.06	.06	.06	.06	.00	.29
17	.06	.06	.06	.06	.09	.08	.09	.07	.06	.00	.07	.10	.38	.18	.11	.07	.01	.06	.07	.07	.07	.07	.08	.06	.06	.00	.38
18	.06	.06	.06	.06	.06	.06	.06	.06	.04	.01	.05	.23	.12	.14	.11	.11	.06	.08	.09	.11	.08	.13	.09	.04	.04	-.02	.23
19	.01	.08	.09	.11	.02	.04	.07	.07	.05	.00	.07	.13	.09	.20	.14	.01	.08	.01	.13	.13	.13	.13	.13	.13	.13	-.03	.20
20	.03	.10	.01	.02	.08	.10	.08	.08	.04	.09	.26	.19	.12	.14	.22	.11	.08	.14	.16	.14	.12	.08	.07	.07	.07	.00	.26
21	.07	.07	.07	.07	.07	.07	.07	.07	.04	.00	.02	.06	.12	.12	.08	.03	.04	.08	.07	.07	.07	.07	.07	.07	.07	.03	.12
22	.07	.07	.07	.07	.07	.07	.08	.08	.03	.03	.10	.22	.37	.40	.22	.10	.08	.15	.14	.14	.13	.12	.11	.11	.11	-.01	.40
23	.11	.10	.10	.09	.09	.09	.08	.08	.02	.04	.22	.33	.30	.15	.14	.04	.06	.09	.07	.07	.07	.07	.07	.07	.07	.00	.33
24	.10	.07	.07	.06	.06	.06	.06	.06	.04	.04	.08	.13	.14	.14	.14	.06	.02	.07	.07	.07	.07	.06	.06	.06	.06	-.02	.14
25	.04	.01	.07	.06	.06	.06	.06	.06	.03	.02	.07	.13	.25	.34	.26	.13	.05	.07	.14	.13	.08	.11	.11	.11	.11	.00	.34
26	.09	.10	.11	.10	.08	.11	.12	.12	.09	.32	.41	.42	.37	.27	.12	.05	.14	.14	.00	.13	.13	.13	.13	.13	.13	-.02	.42
27	.09	.08	.09	.07	.09	.10	.10	.11	.08	.05	.10	.17	.28	.27	.06	.01	.04	.07	.01	.07	.06	.06	.06	.06	.06	.01	.28
28	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
29	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
30	.07	.06	.06	.06	.06	.06	.05	.05	.08	.07	.24	.23	.08	.01	.02	.12	.16	.13	.10	.09	.08	.08	.08	.08	.08	-.04	.24
31	.08	.07	.07	.07	.07	.07	.07	.07	.10	.01	.17	.09	.09	.03	.04	.04	.06	.07	.08	.07	.07	.07	.07	.07	.07	-.03	.17
AV	.07	.07	.07	.07	.06	.07	.07	.06	.05	.03	.13	.19	.19	.16	.10	.02	.07	.09	.08	.09	.08	.08	.07	.07	.07	-.02	()
SD	.02	.02	.02	.02	.02	.02	.02	.04	.03	.04	.10	.11	.11	.13	.10	.07	.04	.04	.05	.03	.03	.03	.03	.03	.03	.02	()

NET SOLAR RADIATION (SKY-GROUND) (CC1271)

LANGLEY/MINUTE

WHITE RIVER SMALE PROJECT, #139

BONANZA, UTAH
SITE 6

FEB, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.06	.06	.05	.06	.08	.07	.07	.04	.08	.00	.18	.18	.11	.05	-.04	-.09	-.11	.09	.09	.08	.08	.08	.08	.07	.04	.18
2	.07	.07	.06	.06	.06	.06	.06	.06	.08	.02	.22	.20	.09	.05	-.02	-.06	-.08	.08	.06	.07	.07	.06	.06	.07	.03	.22
3	.07	.06	.06	.06	.07	.08	.05	.08	.08	.01	.06	.06	.11	.06	.03	-.02	-.05	.08	.08	.06	.09	.07	.06	.07	.05	.11
4	.05	.09	.07	.09	.07	.07	.05	.06	.12	.02	.20	.20	.13	.09	.00	.09	.13	.12	.10	.09	.07	.06	.06	.06	.03	.20
5	.06	.06	.06	.06	.06	.05	.05	.05	.03	.00	.14	.25	.14	.08	.01	.09	.12	.13	.10	.09	.07	.06	.05	.06	.02	.25
6	.06	.06	.06	.06	.06	.06	.05	.05	.03	.00	.02	.04	.07	.04	.02	.01	.04	.05	.05	.00	.05	.06	.05	.06	.03	.25
7	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	()	()
8	.12	.12	.11	.11	.11	.10	.10	.11	.17	.03	.18	.18	.21	.05	-.07	-.12	.13	.14	.11	.11	.11	.11	.11	.11	.06	.21
9	.11	.11	.10	.10	.09	.09	.09	.14	.03	.24	.22	.16	.09	.04	.09	.10	.14	.11	.10	.09	.09	.09	.06	.08	.05	.24
10	.08	.08	.08	.08	.07	.07	.07	.12	.01	.17	.13	.11	.06	.03	.06	.10	.10	.10	.10	.10	.10	.09	.09	.08	.04	.17
11	.08	.08	.08	.07	.07	.07	.07	.11	.01	.27	.20	.16	.13	.02	.05	.12	.13	.11	.10	.09	.09	.09	.08	.11	.03	.27
12	.08	.08	.07	.07	.07	.07	.07	.10	.04	.09	.15	.14	.09	.02	.05	.12	.13	.10	.09	.08	.07	.07	.07	.09	.04	.15
13	.08	.08	.07	.06	.06	.06	.06	.06	.02	.02	.05	.22	.08	.09	.01	.05	.07	.10	.09	.08	.06	.06	.05	.04	.03	.22
14	.05	.05	.05	.05	.06	.05	.06	.06	.04	.07	.13	.06	.05	.01	.01	.01	.01	.08	.06	.07	.07	.07	.07	.08	.03	.13
15	.07	.07	.09	.06	.06	.06	.06	.06	.01	.04	.15	.23	.20	.11	.05	.02	.08	.04	.06	.06	.06	.06	.06	.06	.01	.23
16	.06	.03	.06	.06	.05	.05	.05	.05	.04	.00	.05	.10	.13	.13	.10	.05	.02	.05	.06	.06	.06	.06	.06	.06	.01	.13
17	.06	.05	.05	.05	.05	.05	.05	.05	.06	.04	.09	.16	.26	.15	.16	.07	.03	.08	.06	.07	.07	.03	.06	.07	.00	.26
18	.07	.05	.05	.05	.05	.05	.05	.05	.01	.08	.37	.22	.16	.11	.02	.01	.02	.04	.05	.05	.05	.05	.05	.05	.01	.37
19	.08	.07	.05	.05	.05	.05	.05	.02	.04	.35	.48	.58	.70	.58	.49	.15	.02	.06	.08	.06	.06	.06	.06	.05	.10	.70
20	.05	.05	.05	.05	.05	.05	.05	.04	.02	.04	.16	.23	.22	.47	.37	.16	.06	.06	.10	.10	.11	.11	.08	.08	.03	.47
21	.06	.05	.06	.05	.08	.08	.08	.03	.02	.34	.22	.17	.17	.18	.14	.06	.06	.05	.09	.06	.05	.05	.05	.05	.02	.34
22	.06	.06	.06	.06	.05	.06	.07	.06	.05	.23	.50	.65	.67	.53	.36	.26	.05	.10	.12	.12	.09	.07	.06	.01	.09	.67
23	.06	.07	.06	.06	.07	.08	.06	.05	.21	.10	.20	.31	.66	.56	.43	.00	.03	.00	.09	.13	.12	.12	.12	.10	.05	.66
24	.09	.13	.13	.12	.12	.12	.11	.08	.08	.29	.55	.66	.66	.59	.46	.28	.07	.05	.15	.14	.14	.10	.16	.14	.04	.66
25	.14	.14	.14	.14	.14	.12	.11	.07	.07	.55	.54	.63	.58	.49	.42	.27	.04	.10	.13	.13	.12	.12	.12	.12	.09	.63
26	.11	.03	.05	.10	.10	.10	.09	.05	.06	.33	.56	.59	.63	.59	.46	.27	.04	.10	.13	.12	.12	.12	.12	.11	.09	.63
27	.10	.10	.01	.05	.03	.09	.08	.05	.09	.37	.65	.64	.58	.52	.44	.25	.10	.06	.14	.14	.13	.12	.12	.09	.65	.65
28	.09	.09	.10	.10	.09	.09	.08	.01	.08	.44	.56	.59	.59	.44	.41	.14	.19	.08	.10	.07	.09	.08	.10	.04	.04	.59
29	.11	.12	.09	.10	.09	.11	.11	.05	.04	.25	.30	.33	.26	.31	.46	.08	.03	.01	.09	.03	.01	.09	.10	.04	.04	.46
AV	.08	.07	.07	.07	.07	.08	.07	.06	.05	.13	.26	.29	.29	.24	.17	.04	-.02	.04	.09	.08	.08	.08	.07	.08	.01	.1
30	.02	.03	.03	.02	.02	.02	.02	.02	.07	.16	.19	.20	.23	.21	.20	.13	.08	.04	.03	.04	.03	.03	.03	.03	.05	.1

NET SOLAR RADIATION (SKY-GROUND) (CC:27)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAR, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-13	-12	-11	-11	-09	-08	-11	-09	-15	38	57	62	63	59	40	23	09	-11	-14	-13	-13	-03	-13	-13	-07	65
2	-13	-12	-01	-12	-11	-11	-09	-04	06	14	24	22	47	56	39	17	07	-07	-12	-12	-11	-08	-10	-08	-04	56
3	-07	-07	-07	-07	-08	-08	-08	-05	-01	11	06	05	22	20	24	17	-03	-04	-11	-11	-09	-09	-08	-08	-01	24
4	-07	-06	-07	-11	-11	-11	-10	-04	03	09	23	44	59	48	37	44	09	09	-10	-14	-13	-13	-12	-12	-05	59
5	-13	-12	-07	-10	00	-09	-11	-05	05	21	31	37	35	28	18	06	04	01	-10	-10	-09	-09	-13	-09	-02	37
6	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
7	-06	-06	-05	-05	-05	-01	-05	-08	-12	30	24	28	40	16	35	29	17	-06	-11	-09	-08	-10	-10	-09	-04	40
8	-09	-11	-13	-14	-14	-14	-14	-06	-12	41	63	73	76	69	49	17	09	-07	-10	-11	-11	-13	-14	-14	-09	76
9	-14	-14	-14	-14	-14	-13	-05	-18	40	62	71	79	48	57	48	57	25	09	-01	-14	-14	-13	-13	-13	-04	79
10	-13	-13	-13	-13	-13	-13	-03	-13	36	60	69	68	62	42	20	11	07	-14	-14	-14	-13	-13	-11	-14	-07	69
11	-12	-13	-13	-13	-13	-12	-03	-05	02	05	33	37	35	44	29	17	00	-06	-08	-10	-10	-09	-10	-09	-02	44
12	-07	-06	-06	-07	-08	-09	-11	-04	03	35	62	78	85	54	42	23	07	-06	-15	-14	-14	-14	-14	-14	-10	85
13	-14	-14	-14	-14	-11	-14	-13	-05	-11	36	60	68	69	64	51	27	06	-10	-12	-12	-12	-13	-12	-12	-04	64
14	-12	-12	-12	-09	-12	-12	-12	-02	-10	30	54	66	66	39	26	25	11	04	-13	-11	-11	-10	-10	-10	-07	66
15	-11	-12	-12	-11	-10	-08	-07	-04	01	06	16	15	09	19	22	13	06	-02	-04	-11	-09	-10	-10	-10	-01	22
16	-08	-10	-10	-09	-10	-11	-10	-02	-10	35	65	65	59	30	42	37	13	06	-16	-15	-16	-16	-16	-16	-07	65
17	-15	-15	-15	-05	-15	-14	-04	36	46	62	67	68	52	35	31	15	-07	-15	-15	-15	-15	-16	-14	-14	-09	68
18	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	-12	03
19	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	-13	61
20	-18	-18	-18	-18	-18	-18	-17	-09	-13	32	54	60	57	51	36	24	05	-12	-07	-19	-19	-16	-16	-17	-03	60
21	-17	-17	-17	-16	-16	-15	-15	-06	-07	30	48	55	55	39	30	25	-07	-10	-13	-11	-13	-13	-12	-12	-03	55
22	01	-11	-13	-13	-13	-14	-13	-11	-02	00	19	23	19	43	23	06	11	-10	-16	-16	-12	-14	-15	-08	-01	43
23	-14	-14	-14	-15	-13	-13	-15	-12	-13	28	53	60	52	34	43	31	06	-12	-15	-01	-13	-18	-17	-08	-04	60
24	-16	-13	-13	-14	-14	-14	-12	01	-03	06	08	29	34	41	22	05	01	-04	-14	-08	-12	-13	-14	-15	-01	41
25	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
26	-13	-13	-13	-13	-14	-15	-13	-10	-13	27	40	64	57	68	50	17	02	-06	-19	-19	-13	-20	-19	-19	-04	68
27	-19	-07	-19	-19	-19	-19	-15	-02	-04	43	58	67	65	51	27	11	-04	-08	-13	-14	-13	-12	-12	-12	-05	67
28	-12	-02	-00	-12	-12	-12	-10	-09	-04	11	08	23	31	29	24	06	-06	-15	-16	-16	-16	-14	-15	-16	-02	31
29	-14	-07	-15	-12	-16	-15	-11	11	04	46	48	49	41	65	44	28	09	-10	-20	-18	-06	-18	-18	-18	-06	65
30	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
31	-17	-17	-13	-05	-16	-07	-16	-14	-04	21	33	62	42	57	40	26	07	-09	-16	-15	-17	-17	-17	-17	-03	62
AV	-12	-11	-11	-11	-12	-12	-12	-05	-05	25	42	50	51	46	36	22	06	-07	-13	-12	-13	-13	-13	-13	-04	()
SU	-04	-04	-05	-05	-04	-04	-03	-05	-10	15	19	21	19	15	10	09	05	04	04	05	03	04	03	04	-05	()

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

APR, 1980

AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PER	
1	-15	-14	-13	-13	-14	-14	-11	-01	.04	.36	.18	.67	.32	.20	.46	.04	-.04	-.08	-.18	-.18	-.18	-.18	-.17	-.15	.01	.67	
2	-14	-13	-13	-13	-13	-12	-11	-09	-.03	.02	.06	.13	.09	.14	.21	.15	.04	-.03	-.14	-.15	-.18	-.18	-.18	-.18	-.18	-.05	.21
3	-17	-16	-16	-16	-15	-15	-13	.13	.06	.41	.51	.50	.39	.47	.28	.22	.02	-.01	-.14	-.16	-.17	-.18	-.18	-.18	-.18	-.04	.51
4	-13	-12	-14	-16	-17	-15	-11	.07	.01	.50	.62	.67	.63	.33	.15	.26	.10	-.06	-.17	-.18	-.17	-.16	-.16	-.14	-.14	.06	.67
5	-14	-14	-15	-14	-13	-13	-11	.00	.01	.09	.36	.52	.28	.47	.39	.08	-.04	-.10	-.13	-.13	-.14	-.14	-.15	-.14	-.14	.01	.52
6	-13	-16	-19	-19	-18	-16	-11	.03	.04	.18	.40	.55	.36	.41	.27	.18	.05	-.04	-.19	-.19	-.19	-.18	-.15	-.14	-.15	.01	.55
7	-17	-14	-14	-12	-15	-19	-13	-.05	.11	.50	.67	.69	.48	.18	.34	.33	.08	-.01	-.20	-.20	-.19	-.18	-.19	-.18	-.18	.05	.69
8	-18	-18	-18	-18	-18	-18	-12	.04	.18	.54	.63	.64	.66	.61	.50	.31	.05	-.07	-.19	-.18	-.18	-.18	-.17	-.17	-.18	.08	.64
9	-17	-16	-16	-16	-17	-16	-11	-.02	.18	.33	.56	.65	.48	.56	.30	.24	.04	-.04	-.18	-.16	-.14	-.15	-.16	-.16	-.16	.05	.65
10	-14	-13	-13	-14	-17	-16	-13	.02	.17	.46	.65	.71	.67	.60	.56	.25	.07	-.06	-.07	-.19	-.19	-.16	-.20	-.17	-.17	.09	.71
11	-16	-16	-16	-17	-17	-14	-10	-.03	.08	.42	.30	.16	.17	.14	.27	.12	.14	.04	-.18	-.18	-.18	-.18	-.18	-.18	-.18	-.02	.42
12	-18	-18	-18	-18	-18	-18	-17	-11	.07	.17	.37	.54	.68	.39	.14	.09	.13	.09	-.05	-.18	-.19	-.18	-.18	-.18	-.18	-.01	.68
13	-18	-18	-18	-18	-16	-17	-.02	.04	.20	.45	.63	.68	.65	.61	.45	.17	.04	-.05	-.20	-.05	-.18	-.18	-.18	-.18	-.18	.08	.68
14	-18	-18	-17	-17	-17	-17	-10	.06	.16	.46	.65	.66	.66	.54	.42	.17	.03	-.05	-.18	-.17	-.16	-.16	-.16	-.16	-.16	.07	.66
15	-03	-17	-17	-17	-17	-16	-10	.03	.16	.41	.61	.63	.66	.57	.25	.16	.06	-.06	-.18	-.20	-.20	-.20	-.19	-.16	-.16	.04	.66
16	-18	-15	-16	-18	-18	-18	-17	-10	.01	.24	.39	.61	.59	.66	.58	.46	.28	.09	-.08	-.19	-.19	-.18	-.18	-.18	-.18	.07	.66
17	-18	-18	-18	-18	-17	-17	-11	.00	.26	.39	.63	.66	.66	.60	.41	.18	.06	-.06	-.18	-.18	-.18	-.18	-.18	-.18	-.18	.07	.66
18	-18	-18	-18	-18	-17	-17	-10	.04	.25	.38	.57	.67	.65	.57	.47	.25	.03	-.05	-.19	-.20	-.07	-.19	-.18	-.18	-.18	.07	.67
19	-18	-17	-09	-17	-17	-01	-10	.07	.21	.41	.62	.65	.64	.59	.42	.33	.11	-.03	-.18	-.19	-.19	-.18	-.18	-.18	-.18	.04	.65
20	-18	-17	-17	-17	-17	-17	-09	.09	.25	.42	.61	.60	.53	.43	.45	.22	.05	-.06	-.18	-.15	-.19	-.18	-.18	-.18	-.18	.06	.61
21	-17	-03	-17	-17	-17	-10	.08	.50	.13	.25	.26	.28	.18	.09	.03	.01	-.10	-.11	-.14	-.14	-.14	-.14	-.16	-.15	-.01	.80	
22	-07	-16	-15	-15	-15	-09	-.09	.05	.27	.33	.69	.57	.43	.24	.43	.31	.16	-.03	-.16	-.18	-.10	-.17	-.17	-.17	-.07	.69	
23	-17	-16	-15	-15	-14	-14	-10	.01	.05	.28	.46	.56	.23	.63	.57	.31	.06	-.07	-.13	-.14	-.14	-.15	-.15	-.13	-.05	.63	
24	-13	-15	-13	-12	-13	-12	-.09	-.01	.13	.10	.10	.33	.16	-.03	-.06	.01	.00	-.07	-.13	-.15	-.16	-.16	-.17	-.17	-.05	.33	
25	-17	-17	-17	-19	-18	-17	-12	.07	.22	.64	.69	.67	.61	.61	.47	.35	.14	-.03	-.17	-.19	-.19	-.19	-.18	-.18	-.09	.69	
26	-18	-18	-18	-18	-18	-17	-11	.07	.24	.37	.64	.68	.66	.59	.47	.35	.14	-.01	-.18	-.19	-.19	-.19	-.18	-.18	-.04	.64	
27	-18	-18	-18	-17	-17	-15	-.06	.11	.28	.40	.62	.66	.61	.52	.32	.12	-.04	-.18	-.18	-.18	-.18	-.18	-.16	-.15	.09	.67	
28	-16	-17	-17	-17	-17	-16	-.09	-.20	.24	.37	.64	.70	.73	.69	.59	.40	.02	-.11	-.15	-.17	-.17	-.17	-.16	-.15	.10	.73	
29	-16	-16	-16	-14	-13	-13	-.08	.04	.19	.23	.31	.33	.26	.47	.27	-.07	-.08	-.09	-.12	-.13	-.14	-.14	-.13	-.14	-.01	.47	
30	-14	-14	-14	-14	-14	-13	-10	-.03	.05	.29	.44	-.03	.26	.41	.22	.07	-.06	-.12	-.14	-.13	-.13	-.13	-.13	-.13	-.02	.49	
AV	-16	-16	-16	-16	-16	-15	-10	.03	.16	.35	.50	.57	.47	.42	.36	.21	.06	-.05	-.16	-.17	-.17	-.17	-.17	-.16	-.04	.1	
SD	.03	.03	.02	.02	.02	.03	.02	.05	.09	.15	.18	.16	.21	.21	.16	.11	.04	.03	.03	.03	.03	.02	.02	.02	.02	.08	.1

NET SOLAR RADIATION (SKY-GROUND) (CC827)

LANGLEY/MINUTE

WHITE MIVFR SHALE PROJECT, #139

BOHANZA, UTAH

SITE 6

MAY, 1960

AEROSURVEILLANCE INC.

 * FINAL DATA *
 * AS OF 15/APH/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	-12	-12	-12	-13	-11	-12	-06	06	31	29	65	67	24	40	16	-02	-01	-04	-09	-13	-14	-16	-16	-15	.05	.67
2	-13	-13	-14	-14	-15	-12	-06	10	32	39	70	80	81	78	60	14	15	-07	-14	-17	-17	-16	-17	-17	.12	.41
3	-15	-14	-14	-14	-14	-12	-06	02	04	44	69	70	72	71	50	26	20	-09	-13	-15	-15	-14	-15	-14	.10	.72
4	-13	-14	-13	-15	-17	-15	-11	05	25	25	65	72	74	67	57	38	22	-02	-13	-14	-13	-12	-12	-13	.11	.74
5	-14	-16	-15	-16	-14	-12	-04	11	38	33	56	74	67	72	23	19	-04	-12	-16	-17	-16	-15	-15	.09	.74	
6	-14	-15	-16	-13	-13	-13	-05	18	35	36	47	75	69	-02	06	02	14	-01	-11	-13	-16	-16	-14	.05	.75	
7	-14	-13	-12	-13	-14	-11	-01	-04	31	12	-02	09	19	51	39	02	-11	-12	-12	-14	-10	-13	-14	.01	.51	
8	-14	-15	-13	-12	-12	-12	-06	-02	02	28	41	47	21	50	37	18	-04	-11	-12	-15	-11	-13	-13	.04	.72	
9	-14	-12	-10	-12	-17	-13	-01	13	32	27	53	56	24	27	15	06	-04	-10	-11	-14	-13	-15	-14	.03	.56	
10	-14	-14	-13	-13	-12	-11	-05	14	17	30	62	73	52	31	18	23	23	-05	-12	-16	-15	-14	-14	.07	.73	
11	-13	-12	-15	-15	-12	-11	-02	04	25	33	27	07	16	37	24	08	07	-09	-10	-14	-15	-13	-15	.16	.01	.37
12	-14	-16	-17	-15	-15	-11	-08	03	28	11	33	31	44	52	08	39	12	-07	-12	-13	-13	-13	-13	.03	.52	
13	-14	-15	-14	-13	-12	-11	00	13	44	27	63	54	67	40	36	44	07	07	-13	-16	-17	-17	-17	.09	.67	
14	-17	-17	-17	-16	-17	-12	-03	10	31	32	52	29	38	36	32	27	14	02	-12	-15	-14	-15	-16	.17	.05	.52
15	-17	-16	-17	-17	-16	-13	-08	17	24	36	53	69	36	15	06	23	01	10	-09	-14	-14	-15	-13	.16	.05	.69
16	-17	-17	-17	-16	-16	-13	-01	12	39	29	71	59	31	16	22	34	04	00	-11	-12	-12	-13	-12	.13	.06	.71
17	-15	-16	-16	-16	-17	-15	-05	15	37	25	17	50	39	67	27	17	00	-01	-09	-16	-18	-18	-17	.17	.08	.67
18	-17	-17	-17	-16	-15	-11	-06	16	25	38	77	81	81	72	59	35	18	04	-13	-19	-18	-17	-17	.14	.41	
19	-17	-16	-16	-17	-17	-13	-09	13	59	31	66	74	71	72	52	40	22	02	-13	-17	-17	-15	-13	.16	.12	.74
20	-17	-17	-17	-17	-17	-14	-05	08	29	30	65	67	68	60	48	33	12	02	-11	-16	-18	-17	-17	.09	.68	.68
21	-17	-17	-17	-17	-16	-13	-07	10	39	25	70	74	74	67	54	35	17	04	-12	-18	-18	-18	-18	.11	.74	.74
22	-17	-17	-17	-17	-17	-13	-08	09	12	24	28	71	66	52	38	06	22	-04	-11	-14	-14	-13	-14	.04	.71	.74
23	-14	-16	-14	-16	-18	-14	-09	12	42	23	63	42	71	39	47	20	00	02	-10	-18	-17	-16	-17	.19	.08	.42
24	-19	-19	-19	-19	-19	-15	-08	13	31	24	52	80	66	53	-04	-01	-08	-07	-10	-18	-14	-15	-16	.16	.08	.80
25	-15	-16	-18	-15	-15	-11	-06	00	34	42	34	49	57	49	37	10	07	00	-10	-16	-18	-18	-18	.05	.69	.69
26	-18	-17	-17	-17	-17	-13	-07	14	44	35	74	77	73	60	40	17	08	-10	-17	-18	-18	-18	-18	.13	.77	.77
27	-18	-18	-17	-17	-17	-13	-06	09	35	34	52	59	54	44	54	42	23	-07	-11	-19	-19	-18	-18	.08	.59	.59
28	-15	-15	-16	-16	-17	-13	-06	13	44	35	66	74	74	71	61	37	20	05	-14	-20	-18	-18	-16	.15	.13	.78
29	-14	-14	-14	-15	-15	-15	-04	-02	26	44	64	82	60	73	70	46	21	04	-04	-18	-15	-17	-18	.16	.12	.42
30	-14	-14	-15	-16	-17	-13	-04	15	43	73	76	46	78	13	44	38	03	-02	-13	-21	-20	-05	-19	.10	.78	.78
31	-18	-18	-18	-18	-18	-13	-03	14	46	40	63	77	75	48	23	21	26	16	-03	-17	-14	-18	-18	.11	.10	.77
AV	-15	-16	-15	-15	-15	-13	-05	09	32	32	56	61	57	48	37	25	12	-01	-11	-16	-16	-15	-16	.16	.08	.1
90	.02	.02	.02	.02	.02	.01	.03	.06	.11	.10	.17	.21	.20	.22	.20	.15	.09	.06	.02	.02	.02	.04	.02	.02	.04	.1

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

JUN, 1980

AEROENVIRONMENT INC.

 * FIDAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-15	-17	-16	-16	-16	-11	-01	-13	-43	-40	-52	-28	-49	-41	-03	-01	-06	-05	-06	-13	-15	-17	-17	-17	-17	.04	.52
2	-17	-16	-16	-16	-15	-10	00	-17	-45	-43	-35	-43	-49	-40	-57	-44	-22	-03	-09	-19	-18	-18	-17	-17	-17	.09	.57
3	-17	-17	-17	-16	-16	-12	-02	-14	-43	-39	-56	-76	-74	-68	-56	-41	-21	-04	-12	-20	-19	-19	-18	-18	-18	.12	.76
4	-17	-17	-17	-17	-17	-12	-02	-14	-45	-58	-66	-68	-73	-69	-55	-47	-30	-12	-09	-19	-19	-19	-18	-18	-18	.14	.73
5	-18	-18	-17	-17	-17	-13	03	-19	-34	-49	-64	-68	-65	-54	-59	-46	-28	-12	-09	-19	-19	-19	-18	-18	-18	.12	.68
6	-18	-18	-17	-17	-17	-13	02	-21	-38	-54	-67	-72	-63	-58	-67	-55	-25	-06	-06	-16	-18	-18	-17	-17	-17	.13	.72
7	-17	-17	-17	-17	-16	-12	03	-20	-35	-48	-58	-62	-66	-60	-51	-40	-23	-09	-09	-18	-18	-18	-17	-17	-17	.12	.66
8	-18	-17	-17	-17	-17	-12	03	-18	-34	-49	-59	-63	-60	-61	-42	-34	-18	-05	-10	-18	-17	-17	-18	-18	-18	.10	.63
9	-17	-17	-17	-17	-17	-12	03	-19	-35	-49	-57	-63	-63	-59	-51	-39	-25	-09	-10	-19	-19	-18	-18	-18	-18	.11	.63
10	-18	-17	-17	-18	-17	-12	03	-19	-34	-48	-57	-61	-65	-64	-56	-44	-31	-13	-09	-20	-20	-20	-19	-18	-18	.12	.65
11	-18	-17	-17	-17	-17	-12	03	-18	-33	-49	-63	-70	-70	-64	-56	-44	-28	-11	-10	-20	-20	-20	-20	-20	-20	.13	.70
12	-19	-19	-18	-18	-18	-13	03	-20	-37	-52	-63	-68	-69	-65	-57	-45	-24	-12	-10	-20	-21	-20	-19	-19	-19	.13	.69
13	-18	-18	-18	-18	-18	-13	02	-18	-34	-48	-63	-70	-71	-65	-57	-44	-29	-11	-11	-21	-21	-20	-19	-19	-19	.12	.71
14	-19	-19	-18	-18	-18	-13	02	-17	-35	-48	-62	-68	-70	-65	-56	-44	-25	-11	-10	-19	-19	-18	-18	-18	-18	.12	.70
15	-18	-18	-17	-17	-17	-13	03	-19	-36	-48	-58	-65	-65	-61	-54	-43	-28	-12	-09	-19	-19	-18	-18	-17	-17	.12	.65
16	-17	-17	-17	-17	-17	-12	03	-19	-35	-48	-58	-63	-61	-62	-52	-41	-21	-08	-11	-18	-19	-18	-18	-17	-17	.11	.63
17	-17	-16	-15	-16	-17	-12	03	-14	-35	-47	-56	-57	-63	-55	-52	-22	-01	-06	-11	-16	-18	-18	-18	-16	-16	.09	.63
18	-16	-16	-16	-16	-16	-10	03	-19	-33	-47	-55	-52	-67	-34	-47	-14	-10	-08	-10	-14	-15	-18	-17	-16	-16	.08	.67
19	-15	-14	-14	-16	-16	-14	-06	-20	-18	-19	-53	-61	-65	-61	-58	-36	-18	-11	-09	-15	-18	-18	-18	-17	-17	.10	.65
20	-17	-16	-16	-16	-16	-12	-02	-18	-32	-45	-55	-61	-22	-74	-49	-42	-24	-09	-09	-18	-20	-19	-18	-17	-17	.10	.78
21	-17	-17	-17	-17	-16	-12	-03	-12	-28	-44	-55	-55	-60	-62	-54	-42	-27	-11	-10	-20	-19	-19	-18	-17	-17	.10	.62
22	-17	-15	-15	-16	-17	-12	-02	-17	-32	-45	-54	-59	-60	-63	-58	-44	-28	-11	-09	-21	-21	-20	-19	-18	-18	.10	.60
23	-18	-19	-19	-19	-18	-14	02	-19	-37	-52	-62	-58	-69	-63	-58	-44	-28	-11	-09	-20	-20	-19	-18	-18	-18	.12	.69
24	-17	-17	-17	-17	-17	-13	02	-19	-33	-48	-58	-63	-67	-60	-52	-40	-25	-09	-09	-23	-22	-21	-21	-21	-21	.11	.67
25	-20	-20	-19	-19	-19	-12	03	-19	-33	-45	-60	-65	-68	-64	-55	-44	-29	-13	-08	-20	-20	-19	-18	-18	-18	.12	.68
26	-17	-17	-17	-17	-16	-12	03	-18	-34	-51	-62	-67	-68	-64	-56	-44	-28	-14	-09	-20	-20	-19	-19	-18	-18	.13	.68
27	-18	-18	-18	-18	-18	-14	02	-18	-33	-45	-55	-62	-65	-61	-53	-42	-28	-12	-08	-20	-19	-19	-18	-18	-18	.11	.65
28	-18	-19	-18	-17	-18	-13	01	-18	-34	-45	-53	-60	-62	-58	-51	-39	-26	-09	-09	-19	-19	-18	-18	-17	-17	.11	.62
29	-17	-17	-15	-13	-16	-12	-01	-15	-32	-43	-54	-55	-60	-22	-13	-25	-04	-06	-11	-10	-18	-16	-15	-16	-16	.06	.60
30	-15	-13	-14	-14	-13	-11	-08	-01	-02	-02	-46	-41	-54	-48	-36	-24	-08	-08	-15	-15	-14	-13	-12	-12	-12	.06	.58
AV	-17	-17	-17	-17	-17	-12	01	-17	-34	-45	-57	-61	-63	-58	-51	-38	-23	-07	-10	-18	-19	-18	-18	-18	-18	.11	.61
SD	01	01	01	01	01	01	03	04	08	10	06	09	10	11	12	10	08	06	02	02	02	01	02	02	02	.02	.61

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

JUL, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-12	-12	-12	-13	-14	-09	-02	.28	.48	.35	.22	.30	.74	.45	.07	.06	.23	-.05	-.09	-.12	-.12	-.11	-.11	-.11	.07	.70	
2	-12	-11	-11	-11	-08	-10	-07	.01	.20	.20	.65	.57	.38	.15	.54	.03	.24	.07	-.06	-.13	-.15	-.15	-.15	-.15	.04	.65	
3	-15	-15	-15	-12	-14	-11	.00	.21	.38	.53	.57	.65	.25	.57	.48	.13	.29	.21	-.06	-.16	-.16	-.16	-.16	-.17	-.16	.11	.65
4	-16	-15	-16	-16	-16	-12	.04	.20	.35	.50	.55	.66	.63	.55	.42	.29	.13	.07	-.19	-.19	-.19	-.18	-.18	-.18	.13	.66	
5	-17	-17	-17	-17	-16	-13	.03	.19	.35	.48	.58	.63	.65	.65	.57	.45	.30	.13	-.08	-.19	-.19	-.19	-.19	-.18	.13	.65	
6	-18	-18	-17	-17	-17	-13	.02	.19	.33	.45	.55	.60	.62	.59	.40	.21	.08	.00	-.09	-.15	-.15	-.14	-.15	-.15	.09	.62	
7	-15	-15	-16	-16	-15	-10	.02	.06	.26	.26	.23	.28	.44	.18	.26	.14	.04	-.07	-.10	-.12	-.13	-.12	-.12	-.12	.01	.44	
8	-13	-12	-15	-15	-15	-12	.03	.19	.37	.47	.51	.57	.54	.22	.61	.42	.18	-.03	-.12	-.15	-.14	-.16	-.15	-.15	.10	.61	
9	-15	-15	-15	-15	-15	-12	.03	.18	.34	.47	.56	.60	.58	.66	.52	.29	.18	.05	-.07	-.16	-.16	-.17	-.15	-.15	.11	.66	
10	-16	-16	-16	-16	-16	-12	.02	.18	.32	.43	.54	.60	.32	.41	.14	.12	.13	-.07	-.11	-.13	-.14	-.15	-.14	-.14	.06	.60	
11	-15	-15	-15	-15	-14	-09	.02	.20	.34	.23	.48	.42	.60	.42	.15	.21	.30	.14	-.14	-.16	-.16	-.16	-.16	-.16	.07	.60	
12	-16	-16	-15	-13	-13	-11	-.05	.17	.11	.26	.18	.03	.32	.37	.56	.50	.22	.05	-.10	-.13	-.13	-.15	-.13	-.12	.05	.56	
13	-14	-13	-13	-12	-11	-10	-.07	.06	.25	.50	.36	.33	.40	.23	.09	.10	.13	.06	.00	-.13	-.16	-.15	-.16	-.14	.04	.50	
14	-14	-14	-13	-14	-15	-12	.01	.17	.34	.47	.51	.70	.81	.71	.60	.39	.31	.14	-.09	-.16	-.18	-.17	-.16	-.17	.14	.81	
15	-16	-16	-16	-16	-16	-14	.01	.16	.30	.44	.55	.61	.62	.59	.53	.42	.28	.12	-.07	-.18	-.18	-.17	-.16	-.16	.11	.62	
16	-16	-16	-16	-16	-16	-13	.01	.16	.31	.45	.53	.57	.60	.59	.51	.38	.24	.09	-.08	-.18	-.17	-.17	-.17	-.17	.11	.60	
17	-17	-16	-16	-16	-16	-14	.00	.16	.30	.44	.53	.58	.59	.58	.46	.37	.24	.00	-.08	-.16	-.17	-.16	-.17	-.16	.10	.59	
18	-15	-15	-16	-16	-16	-14	.00	.14	.29	.41	.53	.59	.60	.60	.53	.47	.24	.01	-.09	-.18	-.17	-.16	-.14	-.15	.11	.60	
19	-16	-16	-13	-13	-13	-12	-.07	.14	.30	.44	.54	.62	.27	.43	.51	.22	.19	.05	-.04	-.15	-.17	-.17	-.17	-.17	.04	.62	
20	-17	-16	-16	-16	-16	-14	.00	.15	.31	.43	.52	.57	.57	.57	.50	.39	.24	.09	-.08	-.18	-.17	-.17	-.17	-.16	.10	.57	
21	-16	-16	-16	-16	-16	-14	.01	.15	.32	.44	.52	.57	.59	.57	.51	.39	.25	.09	-.08	-.18	-.18	-.17	-.17	-.17	.10	.59	
22	-16	-16	-16	-16	-15	-14	.01	.15	.29	.43	.52	.58	.61	.58	.50	.38	.25	-.01	-.11	-.17	-.18	-.14	-.13	-.14	.10	.61	
23	-14	-14	-15	-15	-15	-13	.01	.13	.23	.32	.37	.55	.57	.58	.32	.21	.02	.04	-.07	-.14	-.15	-.15	-.15	-.14	.05	.58	
24	-14	-14	-13	-13	-12	-11	.01	.10	.29	.46	.56	.61	.63	.32	.32	.21	.21	-.04	.02	-.14	-.15	-.15	-.15	-.15	.09	.43	
25	-15	-15	-15	-14	-14	-13	.01	.14	.32	.61	.54	.64	.64	.61	.58	.06	.03	.12	-.07	-.18	-.17	-.17	-.17	-.16	.11	.64	
26	-16	-16	-16	-16	-16	-14	.00	.16	.29	.44	.53	.59	.60	.58	.48	.37	.18	.04	-.08	-.17	-.17	-.16	-.16	-.16	.10	.60	
27	-16	-16	-16	-16	-16	-16	.01	.15	.29	.44	.54	.59	.59	.56	.50	.35	.28	.06	-.10	-.18	-.18	-.17	-.17	-.17	.10	.59	
28	-17	-16	-16	-16	-16	-14	.02	.13	.29	.41	.51	.58	.50	.58	.50	.38	.23	.06	-.10	-.19	-.18	-.18	-.18	-.17	.10	.60	
29	-16	-16	-15	-15	-15	-14	.01	.13	.29	.41	.49	.60	.34	.39	.34	.08	-.08	-.08	-.11	-.13	-.14	-.13	-.13	-.13	.05	.60	
30	-14	-14	-15	-15	-15	-13	-.02	.13	.29	.42	.52	.59	.61	.49	.47	.37	.18	.10	-.08	-.17	-.17	-.17	-.16	-.16	.10	.61	
31	-16	-16	-16	-16	-16	-14	-.03	.13	.28	.38	.35	.41	.52	.53	.46	.23	.07	-.03	-.12	-.14	-.15	-.14	-.13	-.15	.06	.53	
AV	-15	-15	-15	-15	-15	-12	.00	.15	.30	.42	.49	.54	.54	.50	.43	.27	.19	.05	-.08	-.16	-.16	-.16	-.15	-.15	.09	.71	
80	.01	.02	.01	.02	.02	.03	.05	.07	.09	.11	.14	.13	.15	.15	.17	.15	.10	.07	.03	.02	.02	.02	.02	.02	.03	.11	.11

NET SOLAR RADIATION (SKY-GROUND) (CG127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #119
 BONARZA, UTAH
 SITE 4

AUG, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PERK		
1	.15	.15	.15	.13	.13	.13	.02	.00	.02	.24	.52	.57	.61	.38	.27	.32	.17	.07	.11	.14	.16	.15	.14	.13	.05	.61	
2	.15	.15	.15	.16	.14	.03	.03	.03	.12	.17	.32	.44	.52	.59	.62	.39	.26	.10	.12	.19	.18	.18	.18	.19	.10	.62	
3	.17	.16	.18	.17	.16	.13	.03	.12	.17	.32	.42	.52	.65	.72	.48	.27	.27	.02	.08	.18	.19	.19	.18	.17	.07	.72	
4	.16	.16	.16	.16	.14	.03	.02	.30	.45	.54	.54	.58	.61	.58	.50	.38	.23	.07	.10	.19	.18	.17	.16	.16	.10	.61	
5	.16	.14	.13	.14	.13	.07	.08	.27	.41	.50	.54	.54	.59	.57	.00	.34	.26	.08	.17	.17	.17	.16	.16	.16	.08	.59	
6	.15	.15	.15	.15	.14	.03	.13	.27	.43	.34	.53	.58	.60	.52	.36	.23	.05	.11	.18	.17	.17	.17	.16	.15	.08	.60	
7	.15	.14	.15	.15	.14	.03	.13	.27	.40	.50	.54	.56	.53	.45	.33	.20	.06	.11	.17	.17	.17	.17	.16	.14	.09	.56	
8	.15	.16	.15	.15	.15	.03	.13	.28	.39	.49	.55	.58	.57	.51	.34	.21	.06	.16	.16	.14	.13	.13	.13	.13	.10	.58	
9	.15	.14	.15	.15	.13	.05	.13	.30	.43	.53	.59	.58	.58	.52	.35	.21	.06	.12	.17	.17	.17	.16	.15	.15	.09	.59	
10	.14	.15	.15	.15	.14	.04	.12	.27	.39	.49	.54	.60	.57	.49	.37	.22	.05	.13	.19	.18	.17	.17	.17	.17	.09	.60	
11	.16	.16	.16	.16	.15	.05	.12	.27	.39	.49	.54	.57	.51	.45	.33	.19	.02	.14	.18	.18	.18	.17	.17	.17	.04	.57	
12	.16	.16	.16	.15	.14	.01	.10	.27	.44	.35	.49	.54	.56	.51	.07	.11	.12	.03	.13	.15	.13	.14	.13	.12	.03	.54	
13	.13	.15	.14	.14	.14	.13	.04	.10	.25	.39	.49	.54	.56	.51	.07	.11	.11	.08	.11	.12	.12	.12	.12	.13	.12	.04	.56
14	.12	.12	.13	.13	.12	.13	.04	.13	.26	.43	.49	.55	.55	.47	.52	.35	.19	.03	.12	.12	.11	.11	.11	.11	.11	.10	.55
15	.11	.10	.10	.11	.12	.11	.09	.01	.32	.49	.20	.04	.46	.45	.34	.34	.01	.09	.08	.13	.14	.15	.15	.15	.15	.04	.49
16	.14	.15	.14	.14	.13	.14	.03	.15	.31	.47	.57	.54	.63	.59	.45	.38	.22	.04	.12	.16	.16	.16	.13	.15	.11	.63	
17	.15	.15	.15	.15	.14	.05	.12	.20	.42	.47	.55	.59	.45	.30	.32	.02	.06	.12	.16	.16	.14	.14	.15	.13	.04	.59	
18	.14	.15	.15	.15	.14	.05	.10	.27	.43	.57	.50	.68	.59	.54	.39	.23	.04	.14	.18	.17	.17	.17	.16	.16	.10	.68	
19	.16	.16	.16	.16	.16	.07	.12	.30	.41	.24	.41	.24	.41	.24	.07	.04	.06	.08	.10	.13	.15	.16	.15	.15	.00	.41	
20	.15	.15	.15	.15	.15	.06	.12	.28	.42	.52	.59	.61	.57	.44	.35	.18	.02	.15	.17	.17	.17	.16	.16	.16	.09	.61	
21	.16	.15	.15	.15	.15	.07	.10	.26	.40	.51	.55	.57	.55	.47	.34	.18	.00	.15	.17	.17	.17	.16	.16	.16	.08	.57	
22	.16	.16	.15	.15	.15	.14	.07	.10	.25	.39	.48	.44	.30	.29	.31	.19	.08	.04	.14	.16	.16	.15	.15	.11	.04	.68	
23	.12	.12	.11	.12	.10	.11	.07	.04	.28	.30	.49	.21	.37	.43	.36	.03	.27	.40	.05	.08	.06	.08	.10	.14	.07	.43	
24	.10	.11	.12	.12	.11	.11	.08	.08	.20	.26	.53	.61	.34	.33	.23	.24	.29	.04	.11	.11	.12	.11	.12	.12	.07	.61	
25	.13	.13	.14	.13	.13	.12	.06	.17	.15	.18	.05	.05	.01	.27	.64	.02	.07	.07	.14	.14	.14	.14	.14	.13	.02	.66	
26	.12	.11	.11	.11	.10	.00	.16	.32	.49	.61	.64	.61	.64	.62	.54	.15	.07	.03	.10	.13	.13	.14	.15	.14	.12	.67	
27	.15	.14	.14	.14	.14	.07	.12	.29	.45	.55	.60	.62	.64	.60	.43	.34	.20	.02	.10	.14	.15	.15	.14	.14	.10	.62	
28	.15	.16	.15	.15	.15	.08	.10	.27	.40	.52	.60	.64	.64	.60	.51	.36	.20	.01	.15	.17	.16	.15	.15	.15	.09	.64	
29	.15	.14	.15	.14	.14	.09	.01	.09	.24	.49	.48	.57	.55	.50	.31	.08	.06	.14	.14	.17	.17	.17	.16	.16	.05	.67	
30	.15	.15	.13	.13	.13	.12	.08	.00	.07	.31	.25	.29	.43	.39	.09	.35	.19	.06	.12	.16	.16	.16	.16	.16	.02	.43	
31	.15	.15	.15	.15	.14	.13	.09	.02	.12	.18	.33	.33	.59	.57	.34	.31	.12	.02	.15	.16	.16	.16	.16	.16	.08	.59	
AV	.14	.14	.14	.14	.14	.13	.05	.09	.24	.46	.43	.49	.53	.49	.37	.27	.15	.03	.12	.16	.15	.15	.15	.15	.07	1	
SD	.02	.02	.02	.01	.02	.01	.02	.05	.08	.08	.15	.17	.15	.12	.14	.11	.08	.02	.03	.03	.03	.02	.02	.02	.03	1	

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

SEP. 1980

AEROSOLMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.15	.15	.15	.15	.15	.14	.09	.07	.23	.38	.49	.52	.56	.53	.43	.31	.14	-.03	-.16	-.16	-.16	-.16	-.15	-.15	.07	.56	
2	.15	.15	.15	.15	.14	.08	.06	.06	.24	.36	.48	.52	.56	.53	.46	.33	.16	-.02	-.16	-.16	-.16	-.15	-.14	-.14	.04	.56	
3	.14	.15	.15	.14	.14	.08	.06	.06	.22	.36	.48	.54	.55	.52	.44	.32	.15	-.03	-.16	-.07	-.09	-.17	-.17	-.15	.04	.55	
4	.15	.14	.14	.14	.14	.09	.08	.08	.23	.36	.46	.52	.54	.50	.42	.29	.13	-.04	-.17	-.16	-.15	-.15	-.15	-.15	.07	.54	
5	.15	.14	.15	.14	.14	.08	.06	.06	.21	.31	.44	.47	.50	.50	.36	.23	.15	-.05	-.16	-.15	-.15	-.14	-.14	-.14	.05	.50	
6	.12	.12	.13	.13	.12	.11	.08	.01	.23	.40	.49	.61	.58	.50	.39	.35	.14	.06	-.12	-.15	-.13	-.11	-.12	-.13	.09	.61	
7	.13	.14	.12	.13	.13	.08	.02	.05	-.04	.14	.17	.17	.17	.18	.23	.04	-.03	-.03	-.09	-.13	-.11	-.08	-.10	-.09	.03	.63	
8	.05	.09	.09	.07	.07	.09	.04	.04	.01	.02	.08	.06	.40	.65	.44	.20	.05	.07	-.11	-.11	-.13	-.13	-.12	-.12	.03	.65	
9	.12	.12	.11	.11	.10	.11	.08	.02	.25	.23	.15	.03	.09	.28	.19	.03	-.01	-.07	-.10	-.10	-.10	-.09	-.09	-.09	.01	.64	
10	.09	.09	.09	.09	.09	.08	.02	.17	.18	.01	.00	.09	.24	.40	.23	-.01	-.04	-.12	-.13	-.12	-.14	-.14	-.14	-.14	.01	.40	
11	.12	.11	.13	.13	.13	.12	.03	.06	.28	.35	.62	.46	.64	.51	.44	.25	.03	.05	.10	-.12	-.13	-.14	-.14	-.14	.09	.64	
12	.14	.14	.13	.13	.13	.12	.07	.05	.26	.42	.46	.57	.58	.53	.44	.19	.05	.10	-.11	-.12	-.14	-.14	-.13	-.11	.04	.54	
13	.11	.12	.11	.13	.13	.08	.04	.04	.25	.39	.49	.60	.61	.56	.46	.31	.13	-.06	-.16	-.16	-.15	-.15	-.15	-.15	.09	.61	
14	.15	.15	.14	.14	.14	.14	.10	.05	.32	.45	.53	.52	.40	.50	.34	.09	.11	-.09	-.16	-.16	-.16	-.15	-.15	-.15	.06	.53	
15	.14	.15	.14	.14	.14	.14	.09	.06	.36	.40	.48	.51	.55	.51	.30	.26	.11	-.08	-.14	-.14	-.14	-.13	-.12	-.12	.07	.55	
16	.12	.12	.12	.12	.13	.14	.11	.05	.21	.36	.49	.54	.56	.51	.41	.28	.10	-.09	-.17	-.16	-.16	-.16	-.16	-.15	.07	.56	
17	.15	.15	.15	.15	.15	.15	.12	.05	.21	.35	.47	.52	.54	.50	.40	.25	.09	-.09	-.16	-.16	-.15	-.15	-.15	-.15	.06	.54	
18	.15	.15	.14	.14	.14	.14	.11	.05	.20	.33	.44	.47	.30	.46	.41	.23	.03	.10	-.14	-.14	-.14	-.14	-.14	-.13	.04	.47	
19	.13	.14	.14	.13	.14	.14	.10	.08	.13	.18	.18	.20	.44	.45	.05	-.10	-.10	-.10	-.11	-.12	-.11	-.11	-.11	-.12	.01	.45	
20	.13	.14	.14	.14	.14	.14	.11	.04	.20	.32	.43	.49	.49	.46	.36	.22	.06	-.11	-.16	-.16	-.16	-.15	-.15	-.13	.05	.49	
21	.14	.15	.15	.15	.14	.14	.11	.04	.19	.34	.48	.53	.51	.50	.42	.13	.08	-.10	-.14	-.15	-.15	-.15	-.15	-.15	.05	.53	
22	.15	.15	.15	.15	.15	.15	.12	.06	.20	.33	.43	.45	.50	.46	.34	.21	.04	.13	-.17	-.16	-.16	-.15	-.15	-.15	.04	.50	
23	.15	.15	.14	.14	.14	.14	.12	.03	.18	.31	.42	.45	.49	.44	.30	.20	.03	.13	-.16	-.16	-.15	-.15	-.15	-.15	.04	.49	
24	.15	.15	.15	.15	.15	.15	.12	.03	.18	.31	.43	.49	.51	.46	.35	.20	.03	.13	-.16	-.15	-.15	-.15	-.15	-.15	.04	.51	
25	.15	.15	.14	.14	.14	.14	.12	.03	.19	.31	.41	.47	.47	.42	.34	.19	.03	.14	-.16	-.15	-.15	-.15	-.15	-.14	.03	.47	
26	.14	.14	.14	.14	.14	.14	.12	.03	.17	.26	.38	.47	.47	.41	.32	.18	.03	.13	-.16	-.15	-.15	-.15	-.14	-.14	.03	.47	
27	.14	.14	.14	.14	.13	.13	.09	.03	.18	.26	.40	.44	.45	.41	.31	.17	.02	.14	-.16	-.15	-.14	-.14	-.14	-.14	.03	.45	
28	.14	.14	.14	.14	.13	.13	.12	.02	.17	.29	.38	.43	.44	.41	.33	.18	.02	.11	-.15	-.15	-.14	-.15	-.14	-.14	.03	.44	
29	.14	.14	.14	.14	.14	.14	.13	.02	.16	.27	.34	.41	.45	.41	.30	.16	.01	-.15	-.16	-.15	-.15	-.15	-.14	-.14	.02	.45	
30	.14	.14	.14	.14	.14	.14	.12	.01	.16	.27	.36	.41	.43	.39	.29	.15	.00	-.15	-.16	-.15	-.15	-.14	-.14	-.15	.02	.43	
AV	.13	.13	.13	.13	.13	.13	.10	.04	.20	.30	.40	.43	.46	.46	.36	.20	.05	-.09	-.14	-.14	-.14	-.14	-.14	-.14	.04	.43	
SD	.02	.02	.02	.02	.02	.02	.02	.03	.07	.11	.14	.16	.14	.09	.09	.10	.07	.04	.02	.02	.02	.02	.02	.02	.02	.03	.11

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LARGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #

OCT, 1980

AERONVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.19	.19	.19	.13	.13	.13	.12	.02	.16	.28	.39	.42	.42	.39	.29	.16	.00	.14	.15	.15	.15	.15	.14	.14	.02	.42	
2	.14	.14	.14	.14	.14	.14	.13	.01	.18	.30	.39	.43	.43	.38	.28	.14	.00	.15	.15	.15	.15	.14	.14	.14	.02	.43	
3	.14	.14	.14	.13	.13	.13	.12	.01	.15	.27	.36	.42	.41	.36	.27	.14	.01	.16	.16	.15	.15	.14	.14	.14	.02	.42	
4	.14	.14	.13	.13	.13	.13	.13	.01	.15	.28	.36	.41	.42	.37	.27	.14	.02	.16	.15	.15	.15	.14	.14	.14	.02	.42	
5	.13	.13	.13	.13	.13	.13	.12	.01	.15	.27	.35	.40	.40	.37	.27	.14	.02	.15	.15	.14	.14	.14	.14	.14	.02	.40	
6	.14	.13	.13	.13	.13	.13	.12	.00	.16	.26	.35	.37	.40	.34	.25	.13	.02	.16	.15	.15	.15	.14	.14	.14	.01	.40	
7	.13	.13	.13	.13	.13	.13	.12	.00	.14	.25	.34	.38	.39	.34	.25	.12	.03	.15	.15	.14	.14	.14	.14	.14	.01	.39	
8	.13	.13	.13	.13	.13	.13	.12	.01	.14	.24	.32	.36	.37	.33	.23	.10	.04	.15	.15	.14	.14	.14	.13	.13	.01	.37	
9	.13	.13	.13	.13	.13	.13	.13	.01	.13	.25	.34	.38	.39	.33	.24	.10	.04	.15	.15	.14	.14	.14	.14	.14	.01	.39	
10	.14	.14	.13	.13	.13	.13	.13	.02	.13	.24	.35	.39	.39	.31	.23	.10	.05	.15	.15	.14	.14	.14	.14	.14	.01	.39	
11	.13	.13	.13	.13	.13	.13	.12	.02	.12	.23	.32	.37	.36	.34	.24	.10	.05	.15	.15	.14	.14	.14	.14	.14	.01	.37	
12	.13	.13	.12	.12	.11	.10	.09	.04	.01	.13	.03	.14	.02	.01	.04	.06	.07	.10	.10	.10	.10	.10	.10	.11	.06	.45	
13	.10	.09	.09	.09	.09	.10	.11	.02	.16	.32	.41	.45	.44	.38	.27	.06	.08	.11	.11	.10	.09	.09	.09	.11	.04	.45	
14	.10	.10	.10	.09	.09	.10	.08	.04	.03	.08	.26	.12	.23	.25	.31	.02	.07	.09	.11	.11	.09	.09	.09	.09	.01	.31	
15	.12	.12	.13	.14	.11	.10	.09	.02	.08	.32	.40	.29	.24	.04	.09	.14	.04	.11	.11	.10	.10	.10	.10	.10	.00	.40	
16	.09	.09	.09	.10	.10	.10	.09	.07	.03	.03	.15	.29	.34	.29	.21	.14	.03	.10	.10	.10	.09	.09	.10	.10	.00	.34	
17	.10	.11	.11	.13	.14	.13	.13	.03	.09	.32	.28	.55	.59	.13	.03	.16	.08	.15	.15	.16	.15	.11	.11	.13	.01	.59	
18	.13	.13	.13	.11	.13	.11	.11	.06	.03	.26	.24	.44	.43	.33	.23	.10	.10	.17	.16	.13	.13	.14	.14	.12	.00	.44	
19	.13	.13	.13	.13	.13	.13	.11	.01	.13	.25	.36	.40	.39	.33	.24	.09	.06	.15	.14	.14	.14	.14	.14	.14	.01	.40	
20	.14	.14	.13	.12	.12	.12	.11	.01	.14	.25	.34	.40	.39	.33	.23	.09	.07	.15	.14	.14	.14	.13	.13	.13	.01	.40	
21	.13	.13	.13	.13	.13	.13	.11	.02	.12	.24	.31	.38	.37	.33	.22	.08	.08	.14	.14	.14	.13	.13	.13	.12	.01	.38	
22	.12	.11	.10	.10	.10	.11	.05	.06	.23	.33	.40	.40	.40	.35	.24	.10	.05	.15	.16	.16	.15	.15	.15	.15	.01	.40	
23	.15	.14	.14	.14	.14	.14	.14	.06	.10	.23	.31	.37	.35	.29	.20	.07	.09	.16	.15	.14	.14	.14	.14	.14	.01	.37	
24	.14	.14	.14	.14	.14	.14	.14	.07	.10	.22	.28	.34	.35	.30	.20	.06	.10	.15	.15	.14	.14	.14	.14	.14	.01	.35	
25	.14	.14	.14	.14	.14	.14	.13	.07	.09	.21	.30	.35	.34	.30	.18	.06	.10	.15	.14	.14	.13	.13	.12	.12	.01	.35	
26	.13	.12	.11	.10	.10	.10	.07	.02	.03	.11	.19	.14	.08	.01	.01	.01	.06	.09	.10	.09	.09	.09	.09	.09	.04	.19	
27	.09	.09	.09	.09	.09	.09	.09	.05	.02	.08	.11	.20	.17	.17	.13	.13	.07	.14	.14	.14	.14	.13	.13	.13	.03	.20	
28	.13	.14	.14	.13	.10	.10	.12	.09	.04	.19	.28	.30	.36	.23	.17	.04	.11	.14	.14	.14	.14	.13	.13	.13	.02	.36	
29	.13	.14	.13	.13	.12	.12	.11	.04	.09	.18	.27	.31	.32	.27	.18	.04	.11	.14	.14	.13	.13	.13	.13	.13	.01	.32	
30	.13	.13	.13	.13	.13	.13	.12	.07	.04	.18	.27	.31	.32	.27	.16	.03	.11	.14	.14	.13	.13	.13	.13	.13	.02	.32	
31	.13	.13	.12	.12	.12	.11	.12	.05	.03	.16	.25	.27	.28	.23	.13	.00	.09	.13	.12	.12	.12	.12	.12	.12	.02	.28	
AV	.13	.13	.12	.12	.12	.12	.12	.03	.09	.22	.30	.35	.35	.28	.20	.08	.06	.14	.14	.13	.13	.13	.13	.13	.00	.31	
SD	.02	.02	.02	.02	.02	.02	.01	.03	.06	.04	.09	.09	.10	.10	.09	.06	.03	.02	.02	.02	.02	.02	.02	.02	.02	.00	.02

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 6

NOV. 1960

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.07	.08	.18	.25	.31	.30	.21	.18	-.01	-.09	-.14	-.13	-.13	-.13	-.12	-.12	-.12	-.02	.31
2	-.13	-.12	-.11	-.12	-.10	-.09	-.07	.10	.13	.17	.15	.29	.25	.24	.17	.04	-.11	-.14	-.13	-.13	-.13	-.13	-.12	-.13	-.03	.25
3	-.13	-.12	-.12	-.12	-.11	-.11	-.06	.04	.12	.14	.32	.29	.18	.13	.01	-.10	-.11	-.12	-.10	-.11	-.11	-.11	-.11	-.11	-.02	.32
4	-.11	-.12	-.11	-.11	-.11	-.05	.10	.16	.22	.23	.28	.29	.24	.10	.03	.01	-.07	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.02	.36
5	-.12	-.12	-.12	-.11	-.11	-.07	.07	.16	.23	.28	.29	.24	.19	.15	.03	-.11	-.13	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.02	.29
6	-.12	-.12	-.12	-.12	-.11	-.11	-.08	.07	.20	.19	.20	.21	.19	.15	.03	-.11	-.12	-.12	-.11	-.11	-.11	-.11	-.09	-.10	-.02	.21
7	-.11	-.12	-.11	-.11	-.10	-.07	-.01	.12	.17	.25	.28	.23	.28	.23	.16	.02	-.12	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.03	.28
8	-.12	-.12	-.12	-.12	-.12	-.12	-.10	.05	.17	.24	.27	.30	.25	.15	.02	-.11	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.03	.30
9	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.09	.04	.14	.21	.26	.27	.22	.12	.00	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.03	.27
10	-.12	-.12	-.12	-.12	-.12	-.12	-.10	.03	.14	.22	.26	.26	.23	.12	.01	-.12	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.12	-.03	.26
11	-.12	-.12	-.12	-.12	-.12	-.12	-.08	.02	.08	.08	.15	.16	.24	.07	.01	-.03	-.08	-.09	-.08	-.08	-.08	-.09	-.10	-.09	-.05	.10
12	-.09	-.10	-.09	-.10	-.11	-.09	-.09	-.08	-.01	.05	.08	.06	.10	.07	.01	-.03	-.08	-.09	-.08	-.08	-.08	-.09	-.10	-.09	-.05	.10
13	-.08	-.09	-.09	-.10	-.11	-.09	-.08	-.03	.05	.10	.09	.14	.09	.05	.03	.08	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.10	-.04	.14
14	-.10	-.10	-.11	-.13	-.12	-.11	-.10	-.07	-.01	.18	.17	.29	.17	.23	.13	.05	-.12	-.14	-.11	-.13	-.13	-.13	-.14	-.14	-.04	.24
15	-.12	-.11	-.11	-.11	-.11	-.10	-.06	.11	.21	.24	.26	.21	.16	.14	.01	-.13	-.14	-.14	-.14	-.14	-.14	-.15	-.14	-.14	-.03	.26
16	-.14	-.14	-.14	-.14	-.14	-.14	-.13	-.11	.02	.14	.22	.30	.17	.24	.12	.01	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.04	.30
17	-.14	-.14	-.14	-.14	-.14	-.14	-.12	.01	.13	.21	.26	.25	.21	.11	.02	-.15	-.15	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.05	.26
18	-.14	-.14	-.14	-.13	-.13	-.13	-.11	.00	.12	.19	.25	.25	.21	.10	.02	-.14	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.04	.25
19	-.13	-.13	-.13	-.13	-.13	-.13	-.12	.00	.12	.19	.25	.24	.19	.11	.02	-.14	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.04	.25
20	-.11	-.12	-.12	-.13	-.12	-.12	-.11	.01	.11	.18	.23	.24	.20	.10	.02	-.14	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.04	.24
21	-.13	-.13	-.13	-.13	-.13	-.13	-.12	.00	.11	.19	.24	.23	.20	.11	.01	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.12	-.04	.24
22	-.12	-.11	-.11	-.10	-.09	-.08	-.08	-.04	.02	.08	.14	.15	.16	.07	.05	-.03	-.07	-.09	-.09	-.09	-.09	-.10	-.12	-.11	-.04	.16
23	-.10	-.09	-.10	-.09	-.12	-.12	-.11	.00	.12	.16	.20	.14	.11	.03	.04	.09	-.10	-.09	-.09	-.08	-.08	-.08	-.07	-.07	-.03	.20
24	.07	.08	.07	.07	.07	.07	.07	.07	.07	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06
25	-.14	-.13	-.13	-.12	-.12	-.12	-.11	-.02	-.05	-.03	.00	.03	.07	.05	.04	-.05	-.10	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.07	.07
26	-.12	-.12	-.11	-.11	-.10	-.10	-.08	-.01	.06	.08	.11	.11	.10	.05	-.06	-.14	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.12	-.06	.11
27	-.11	-.11	-.11	-.11	-.10	-.10	-.08	-.01	.01	.05	.09	.13	.04	.02	.00	-.07	-.09	-.10	-.11	-.12	-.12	-.12	-.12	-.12	-.06	.13
28	-.11	-.11	-.11	-.10	-.10	-.10	-.09	.04	.09	.08	.17	.19	.19	.11	.00	-.08	-.10	-.10	-.10	-.12	-.11	-.11	-.11	-.11	-.03	.19
29	-.10	-.10	-.10	-.09	-.09	-.09	-.05	.01	.19	.18	.18	.11	.10	.09	-.03	-.10	-.12	-.12	-.11	-.11	-.11	-.11	-.10	-.10	-.03	.19
30	-.10	-.10	-.11	-.10	-.10	-.10	-.09	-.09	-.02	.11	.20	.27	.19	.09	.05	-.02	-.09	-.10	-.12	-.12	-.11	-.12	-.12	-.12	-.03	.27
AV	-.11	-.12	-.11	-.11	-.11	-.11	-.08	.02	.11	.16	.20	.20	.16	.09	-.01	-.11	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.04	.11
SD	.04	.01	.01	.02	.02	.02	.02	.05	.07	.08	.09	.08	.07	.06	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02

NET SOLAR RADIATION (SKY-GROUND) (CCR27)

LANGLEY/MINUTE

WHITE RIVER SHALF PROJECT, #139

RONANZA, UTAH

SITE 6

DEC, 1980

AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-12	-12	-12	-13	-12	-12	-12	-11	00	03	00	27	26	21	11	-01	-13	-13	-13	-12	-12	-11	-11	-11	-09	27
2	-11	-09	-10	-06	-10	-12	-11	-10	-01	16	17	11	16	08	07	-03	-09	-09	-08	-07	-08	-07	-08	-07	-09	17
3	09	09	09	07	07	07	07	07	02	04	09	16	06	26	11	-05	-08	-09	-09	-09	-09	-09	-10	-10	-09	26
4	-10	-11	-10	-06	-08	-10	-08	-03	-07	-06	15	31	21	00	-04	-06	-08	-08	-09	-09	-09	-11	-11	-12	-04	11
5	-12	-12	-12	-11	-12	-10	-10	-10	-08	09	10	12	10	02	06	-03	-08	-08	-09	-07	-07	-07	-07	-07	-05	12
6	-07	-07	-07	-07	-07	-07	-07	-07	-03	-01	05	15	22	07	00	-01	-08	-10	-11	-10	-10	-11	-10	-10	-08	22
7	09	09	07	07	07	07	08	07	01	07	05	09	00	03	00	-03	-07	-08	-10	-10	-12	-13	-12	-10	-05	09
8	09	08	09	10	09	09	09	08	00	10	17	22	25	20	10	-03	-14	-14	-13	-13	-13	-13	-12	-12	-03	25
9	-11	-11	-10	-06	-08	09	09	-10	-04	09	17	19	18	09	03	-14	-13	-13	-13	-13	-13	-13	-12	-13	-04	19
10	-13	-12	-12	-11	-11	-10	-10	-09	00	11	16	19	23	18	13	00	-10	-12	-11	-10	-11	-11	-11	-11	-03	23
11	-12	-12	-11	-11	-10	-10	-10	-09	00	10	16	21	22	18	09	-02	-12	-12	-12	-12	-12	-12	-12	-12	-04	22
12	-12	-12	-11	-11	-10	-10	-10	-09	-01	09	15	20	19	16	07	-05	-12	-12	-12	-13	-13	-13	-12	-12	-04	20
13	-11	-11	-11	-10	-10	-09	-09	-09	00	14	16	19	20	16	08	-03	-13	-12	-12	-12	-12	-12	-12	-12	-04	20
14	-12	-12	-12	-11	-11	-11	-10	-10	-02	08	14	19	21	14	09	00	-09	-12	-10	-10	-10	-09	-11	-11	-04	21
15	-10	-10	-11	-11	-11	-10	-10	-09	-03	06	12	19	15	14	08	00	-11	-11	-11	-11	-11	-11	-11	-11	-04	19
16	-11	-11	-11	-10	-10	-09	-09	-08	-03	09	15	18	19	16	09	00	-11	-11	-11	-11	-11	-11	-11	-11	-04	19
17	-11	-10	-09	-09	-09	-06	-08	-07	05	17	15	19	19	17	10	-02	-12	-11	-11	-11	-11	-11	-11	-11	-02	19
18	-11	-10	-09	-09	-09	-09	-08	-08	02	11	14	19	19	13	09	-03	-07	-10	-10	-09	-09	-10	-11	-11	-03	19
19	-11	-11	-11	-10	-10	-09	-09	-08	-01	09	14	19	19	16	09	-02	-12	-11	-11	-11	-11	-11	-11	-11	-04	19
20	-11	-10	-10	-10	-09	-09	-08	-08	03	16	14	14	15	19	04	-02	-12	-12	-11	-11	-11	-11	-11	-11	-04	19
21	-10	-09	-09	-08	-08	-09	-09	-09	00	09	14	19	19	18	04	-02	-10	-11	-10	-10	-10	-10	-10	-10	-03	19
22	-07	-08	-09	-09	-09	-10	-10	-10	-05	04	13	20	20	05	01	-03	-10	-11	-09	-08	-08	-08	-07	-07	-02	20
23	-08	-11	-10	-08	-08	-09	-09	-08	-03	07	14	21	21	16	09	-03	-13	-13	-12	-12	-12	-11	-10	-11	-04	21
24	-11	-12	-12	-12	-10	-10	-12	-11	-04	02	13	17	12	12	06	-02	-10	-11	-10	-11	-12	-09	-10	-11	-03	17
25	-11	-10	-10	-10	-10	-11	-11	-09	-05	08	15	22	19	18	07	-01	-06	-08	-09	-10	-11	-11	-11	-11	-03	22
26	-11	-11	-11	-11	-10	-10	-10	-09	-04	06	13	18	18	15	09	-01	-10	-11	-11	-11	-11	-10	-11	-11	-01	18
27	-10	-10	-10	-10	-09	-09	-09	-09	-04	06	12	19	16	10	05	-02	-08	-10	-10	-10	-09	-09	-09	-09	-01	19
28	09	09	09	08	-10	-10	-09	-09	-02	01	09	14	18	15	09	-01	-12	-11	-11	-11	-11	-11	-11	-11	-04	18
29	-11	-10	-10	-09	-09	-09	-08	-08	-01	15	14	18	20	16	09	-02	-13	-12	-12	-12	-12	-12	-11	-11	-03	20
30	-11	-10	-10	-10	-09	-09	-09	-08	00	13	18	19	17	13	00	-12	-12	-11	-11	-11	-11	-11	-11	-11	-03	19
31	-11	-11	-11	-11	-11	-10	-10	-10	-02	06	12	19	20	17	09	-03	-14	-13	-13	-13	-13	-13	-13	-13	-05	20
AV	-10	-10	-10	-10	-09	-09	-09	-09	-02	08	13	18	16	15	08	-02	-10	-11	-11	-11	-11	-11	-11	-11	-04	1
96	01	01	01	02	01	01	01	01	03	05	04	04	05	06	08	02	02	01	01	01	02	02	02	01	01	1

BAROMETRIC PRESSURE (CC126)

MM OF HG

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

JAN, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	637	636	636	636	635	635	635	636	636	636	636	636	635	634	634	634	634	634	634	634	634	635	635	635	635	637
2	635	635	635	635	635	635	635	636	636	636	636	636	635	634	634	634	634	634	634	634	634	634	634	634	634	637
3	637	637	637	637	636	636	636	636	636	636	636	635	635	634	634	634	634	634	634	634	634	634	634	634	634	637
4	634	634	634	634	634	634	634	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	635	635	634	636
5	635	635	635	635	635	634	634	635	635	635	634	633	633	632	631	631	630	630	629	629	629	629	629	628	628	632
6	627	626	625	626	626	626	626	628	628	628	628	627	627	627	627	628	628	628	627	627	627	627	627	627	627	628
7	627	627	627	626	626	626	626	627	627	627	626	626	626	626	626	625	625	625	626	626	626	626	626	626	626	627
8	625	622	624	624	624	624	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	626
9	628	628	628	628	628	628	628	628	628	627	627	627	626	625	624	624	624	624	623	623	623	623	623	623	623	624
10	619	618	618	617	617	617	616	615	615	615	615	614	614	614	614	614	614	614	614	614	614	614	614	614	614	615
11	632	632	633	633	633	633	634	634	634	634	634	634	633	632	631	631	631	631	631	631	631	631	631	631	631	631
12	631	632	632	632	629	630	630	631	631	631	631	630	630	629	628	628	628	628	628	628	628	628	628	628	628	631
13	628	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
14	627	626	626	626	625	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	629
15	629	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	632
16	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
17	632	631	631	631	631	630	630	630	630	630	630	630	629	628	628	628	628	628	628	628	628	628	628	628	628	633
18	627	627	626	626	625	624	624	624	624	625	625	625	624	624	624	624	624	624	624	624	624	624	624	624	624	629
19	631	630	631	631	632	632	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	637
20	638	638	639	635	638	640	639	636	637	640	641	640	639	638	638	638	638	638	638	638	638	638	638	638	638	641
21	637	637	635	637	637	636	636	636	636	636	636	636	635	634	634	634	634	634	634	634	634	634	634	634	634	637
22	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	637
23	639	639	639	639	639	639	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	641
24	637	637	637	636	635	635	635	634	634	634	634	634	632	632	631	631	630	630	630	630	630	630	630	630	630	631
25	629	629	629	624	626	625	625	625	624	624	624	623	623	622	621	621	621	621	621	621	621	621	621	621	621	629
26	625	625	625	625	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	629
27	626	625	625	625	624	624	624	624	624	624	624	624	623	622	621	621	621	621	621	621	621	621	621	621	621	626
28	624	622	623	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	628
29	625	625	624	624	623	622	622	622	622	622	621	621	620	619	619	619	619	619	619	619	619	619	619	619	619	628
30	629	629	630	630	631	632	633	633	634	635	636	636	636	636	635	635	635	635	635	635	635	635	635	635	635	640
31	640	640	641	641	641	640	642	642	642	642	642	641	640	640	640	640	640	640	640	640	640	640	640	640	640	642
AV	631	631	631	631	630	631	631	631	631	631	631	630	630	630	629	630	630	630	630	630	630	631	631	631	631	631
90	5	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	7

BAROMETRIC PRESSURE (CC126)

MM OF HG

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

FEB. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	640	639	639	639	639	639	639	639	640	640	640	640	638	638	638	638	638	639	638	638	639	639	639	639	639	640
2	639	639	639	640	640	641	640	640	641	641	641	640	640	639	639	638	638	638	639	639	639	640	639	640	639	641
3	639	639	639	640	639	639	639	639	639	639	639	638	638	638	636	635	635	635	636	636	636	635	635	636	637	640
4	636	638	636	636	635	637	637	637	638	638	638	637	636	636	636	636	636	636	637	637	638	638	639	639	637	639
5	639	639	639	640	640	636	636	640	641	641	640	639	639	639	638	638	637	637	637	637	637	637	637	637	637	641
6	637	636	637	635	635	634	634	634	634	633	633	632	631	630	629	628	628	628	628	628	628	628	628	627	631	637
7	627	627	627	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	628	628	628	627	631	637
8	634	638	635	635	635	635	636	636	637	637	637	637	636	635	635	635	635	635	636	636	636	636	636	636	636	638
9	638	638	638	638	639	640	639	639	640	639	639	639	638	637	637	637	637	637	637	637	637	638	638	637	636	638
10	638	638	637	637	637	637	637	637	637	636	636	635	634	633	632	632	631	632	632	632	633	633	633	636	638	640
11	633	632	633	632	632	632	632	633	633	633	635	633	632	631	631	630	630	631	631	631	631	632	632	633	633	638
12	632	632	632	632	632	632	632	632	632	632	632	631	630	629	628	628	628	628	628	628	629	629	629	629	630	632
13	629	629	631	629	629	629	629	629	629	629	629	629	628	628	628	626	626	626	627	627	628	628	628	627	629	631
14	627	627	627	627	627	627	626	627	627	628	628	626	625	625	624	624	623	626	626	627	627	628	628	627	629	631
15	626	626	628	627	627	628	628	628	629	629	630	629	628	628	628	627	628	628	629	629	629	630	630	631	631	628
16	631	629	631	632	632	632	631	632	632	634	634	633	632	632	631	630	630	630	630	630	629	629	629	628	631	628
17	628	628	628	627	627	626	626	626	626	626	626	626	625	625	625	625	624	624	625	625	625	625	625	625	625	628
18	625	624	624	624	623	623	623	623	623	622	621	621	620	620	622	622	622	622	622	622	623	623	623	624	628	625
19	624	624	625	625	625	625	626	627	627	627	626	626	626	624	623	623	623	623	622	622	623	623	624	624	628	625
20	620	620	620	619	619	619	620	620	620	620	620	619	620	620	620	620	620	621	621	622	622	621	621	621	624	627
21	625	625	626	626	626	626	626	626	627	627	626	626	625	625	624	624	624	624	624	624	624	625	625	625	625	627
22	625	625	626	626	626	627	627	628	629	629	630	630	630	629	629	629	629	630	630	630	630	630	631	631	629	631
23	631	630	630	630	630	630	631	631	632	632	632	632	632	632	632	632	632	632	633	633	633	633	633	633	633	636
24	636	637	637	637	637	637	638	638	639	639	639	639	638	638	638	638	638	638	639	639	639	639	640	640	639	640
25	640	640	640	640	640	641	641	641	641	641	641	640	640	640	640	640	640	640	640	640	640	640	640	640	640	641
26	639	638	639	639	639	639	639	639	640	640	641	639	638	638	637	637	637	637	637	637	638	639	639	639	640	641
27	638	638	637	638	637	638	638	638	638	638	638	636	636	636	636	636	636	636	636	636	636	636	636	636	636	638
28	634	634	634	633	633	632	632	633	633	633	632	631	630	629	627	627	626	627	627	627	627	629	629	629	629	630
29	627	630	630	630	630	630	630	631	631	631	631	631	631	631	631	631	631	632	632	633	633	633	633	633	633	636
AV	632	632	633	632	632	632	632	633	633	633	633	632	632	631	631	631	630	631	631	631	632	632	632	632	632	632
90	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	6	6	5	5	6	6	6

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	635	635	636	636	636	636	636	636	636	636	636	636	635	636	634	634	634	633	633	633	634	633	634	634	635	637	
2	630	634	634	633	633	633	633	633	634	633	632	631	630	629	628	627	628	627	627	627	627	626	627	626	627	630	634
3	626	626	625	624	624	624	623	623	623	621	621	622	621	620	620	620	620	621	621	621	622	622	622	622	622	622	626
4	622	623	623	623	623	623	623	623	623	626	626	626	625	625	625	625	625	625	625	625	626	626	626	626	625	628	
5	629	629	629	628	628	628	628	628	628	628	628	627	626	625	625	625	624	624	624	624	624	624	623	623	626	629	
6	623	623	623	624	624	625	625	625	625	625	625	624	624	624	624	624	624	624	624	624	623	623	623	622	624	625	
7	622	621	621	621	621	621	622	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	629	
8	629	629	630	630	630	630	631	631	631	631	631	631	631	631	630	630	630	630	630	631	631	631	632	631	631	632	
9	632	633	633	632	632	633	633	633	633	633	633	632	632	631	631	631	631	631	631	631	632	632	633	632	633	633	
10	632	633	633	632	634	633	633	633	633	633	632	632	631	630	629	628	628	628	628	628	628	628	629	628	631	630	
11	628	627	626	626	626	626	626	626	626	626	625	625	624	624	624	624	624	624	624	624	624	624	624	624	624	628	
12	622	621	622	622	623	624	626	627	628	629	629	629	629	629	629	629	629	630	630	630	631	632	632	633	628	633	
13	633	632	633	632	633	633	633	633	634	633	633	632	631	630	629	629	629	629	630	630	631	632	632	633	633	628	633
14	631	632	632	631	631	631	631	631	631	631	631	630	629	628	627	626	626	627	626	626	626	626	626	626	626	629	632
15	626	626	626	626	626	626	626	626	626	626	626	626	625	624	624	624	624	624	624	624	624	624	624	624	625	626	
16	629	627	628	629	629	629	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	
17	638	638	638	637	638	638	638	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	
18	630	631	630	630	630	629	629	629	630	628	628	627	626	625	625	624	624	624	624	624	625	626	626	626	627	631	
19	625	626	627	627	627	627	627	628	628	628	627	626	625	625	625	624	624	624	624	624	624	624	624	624	627	631	
20	632	632	632	633	633	633	633	634	634	634	634	633	632	631	629	629	629	629	629	629	629	629	629	629	630	631	
21	628	628	627	627	627	626	626	626	626	626	626	625	625	624	624	624	624	624	624	624	624	624	624	624	624	628	
22	623	625	626	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	629	
23	626	626	626	627	627	629	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629	
24	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	
25	624	624	625	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	629	
26	628	628	629	629	629	629	630	630	630	630	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629	
27	628	628	628	628	627	627	627	627	627	627	627	626	625	624	624	624	624	624	624	624	624	624	624	624	624	629	
28	627	628	627	627	628	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	630	
29	633	634	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	635	
30	630	630	628	628	627	627	626	625	625	624	624	624	623	623	623	623	623	623	623	623	623	623	623	623	623	626	
31	626	626	626	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	626	
AV	628	628	629	628	629	629	629	629	629	629	629	628	628	628	627	627	627	627	627	627	628	628	628	628	628	628	
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

BAROMETRIC PRESSURE (CG126)

MM OF HG

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 6

APR. 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	627	626	628	627	627	627	628	628	628	627	627	626	626	626	625	625	625	625	626	626	626	625	625	626	626	628
2	625	625	624	624	624	624	624	625	625	626	626	626	626	626	627	627	628	628	628	629	630	630	631	631	627	631
3	632	632	633	633	634	634	634	633	632	635	635	634	634	633	633	633	632	634	633	633	634	634	634	634	633	635
4	634	634	634	634	634	634	635	635	635	634	634	633	632	631	630	630	629	629	629	630	630	630	630	630	632	635
5	629	629	628	628	628	628	628	628	627	627	626	626	625	624	624	624	624	624	624	625	625	624	626	626	629	
6	626	627	627	627	627	627	628	628	628	627	627	626	626	626	626	626	626	627	627	627	627	627	627	627	627	628
7	627	628	629	629	629	630	630	632	632	632	632	633	633	633	633	634	634	636	635	636	636	636	638	637	638	
8	638	638	638	638	639	639	639	639	639	639	639	638	638	637	636	636	635	635	635	636	636	637	637	637	637	639
9	637	636	636	636	636	632	636	635	635	634	634	631	631	630	629	628	628	628	628	629	629	630	631	630	631	637
10	627	628	628	627	628	628	628	627	629	628	628	627	628	627	627	627	628	628	630	629	629	630	631	630	628	631
11	630	630	630	630	631	631	632	633	633	633	633	627	634	635	635	635	635	636	636	636	637	637	637	637	637	637
12	637	637	637	637	637	638	638	638	637	637	637	636	635	635	635	636	636	637	637	638	638	638	638	638	637	638
13	639	639	639	639	639	640	639	639	639	638	638	637	635	635	634	633	633	632	632	631	633	633	633	633	633	638
14	633	633	633	633	633	633	633	633	633	632	632	631	630	630	629	629	628	628	628	628	629	630	630	630	630	640
15	630	631	631	631	631	632	632	632	632	632	631	630	630	630	629	629	629	630	630	631	632	633	633	633	633	633
16	638	636	636	635	635	636	633	637	637	637	633	636	636	636	636	635	635	636	636	636	637	637	638	638	638	638
17	636	639	639	639	639	640	640	640	639	639	639	638	637	634	635	634	634	634	634	634	634	634	635	635	637	640
18	635	635	636	636	636	636	636	637	636	636	632	634	634	633	632	632	632	632	632	632	632	633	633	633	633	637
19	634	634	634	634	634	635	635	635	635	635	634	633	632	632	631	630	630	630	630	631	631	631	632	632	635	635
20	632	632	632	632	632	632	633	633	633	632	631	629	629	628	628	627	627	627	627	627	627	628	628	628	630	633
21	628	627	628	627	628	629	629	629	629	629	629	628	627	627	627	627	627	627	627	627	629	629	629	629	629	630
22	628	628	628	628	628	626	627	629	629	629	630	630	629	628	627	626	626	626	626	625	625	626	626	626	626	632
23	627	627	627	627	627	626	626	626	626	626	627	627	627	627	627	626	626	626	626	626	626	627	627	627	627	629
24	627	627	627	627	628	628	628	628	628	626	626	626	625	624	624	624	624	624	624	625	625	625	625	625	625	629
25	627	627	627	627	628	629	629	629	629	629	629	628	628	628	627	627	627	627	627	628	628	628	629	629	629	629
26	630	630	630	630	631	632	632	633	632	632	631	631	631	630	630	630	630	630	630	630	630	631	631	631	631	631
27	632	633	633	633	634	634	635	635	635	634	633	633	632	632	631	631	630	630	630	630	630	631	631	631	631	633
28	632	632	632	632	632	633	633	633	633	633	632	631	630	629	629	628	628	628	628	628	628	628	628	628	628	633
29	628	628	627	627	627	627	627	627	627	626	625	624	623	622	621	621	621	621	621	621	621	621	621	621	621	628
30	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	624	625	625	625	625	625	625	625	625	625	627
AV	631	631	631	631	631	632	632	632	631	631	631	630	630	630	629	629	629	629	629	630	630	631	631	631	631	631
SD	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	627	627	627	627	627	628	628	629	629	629	629	629	629	629	629	629	629	629	630	630	631	631	631	631	629	631
2	632	632	632	632	632	633	633	633	633	633	632	632	631	631	631	630	630	631	631	631	632	632	633	633	632	633
3	633	633	633	633	633	634	634	634	634	634	633	633	632	631	631	630	630	630	631	631	632	632	633	633	632	634
4	633	634	634	634	634	634	634	634	634	634	633	633	632	631	631	630	630	631	631	632	632	633	634	634	632	634
5	633	634	634	634	634	634	634	634	634	634	633	633	632	631	631	630	630	631	631	632	632	633	634	634	632	634
6	632	632	632	632	632	632	632	632	632	632	631	631	630	630	629	629	629	629	629	629	629	629	629	629	630	632
7	630	630	630	630	630	630	630	630	630	630	629	629	628	628	628	628	628	628	628	630	630	630	630	629	630	630
8	626	626	625	625	625	625	625	625	625	625	623	622	622	621	621	621	621	621	621	621	621	621	621	621	621	626
9	626	626	625	625	625	625	625	625	625	625	623	622	622	621	621	621	621	621	621	621	621	621	621	621	621	626
10	622	622	621	621	621	622	622	622	622	622	621	621	620	620	619	619	619	619	620	620	621	621	621	621	621	626
11	623	623	623	623	624	624	624	624	624	624	623	623	623	623	622	622	622	622	623	623	624	624	625	625	623	625
12	626	626	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	625
13	631	631	631	632	632	632	632	632	632	632	631	631	631	630	630	629	629	629	629	630	630	631	631	631	624	631
14	629	629	629	629	629	629	629	629	629	629	628	628	628	628	628	628	628	628	628	629	629	629	629	629	629	629
15	625	625	626	626	626	626	626	626	626	626	625	625	624	624	624	624	624	624	624	624	624	624	624	624	624	629
16	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	629
17	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
18	634	634	635	635	635	635	635	635	635	635	634	634	633	633	632	632	632	632	632	632	632	632	632	632	632	635
19	633	633	633	633	633	634	634	634	634	634	633	633	632	631	631	630	630	630	631	631	631	632	632	633	633	635
20	632	632	632	632	632	633	633	633	633	633	633	632	632	631	631	630	630	630	630	630	630	631	631	631	632	638
21	631	631	632	632	632	632	632	632	632	632	631	631	630	630	630	630	630	630	630	630	630	631	631	631	632	638
22	628	628	628	628	628	629	629	629	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	630
23	623	623	623	623	624	624	624	624	624	624	623	623	623	623	623	623	623	623	623	623	623	623	623	623	624	629
24	620	621	621	621	621	621	621	621	621	621	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	629
25	625	625	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	629
26	629	630	630	630	631	631	631	631	631	631	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	629
27	628	628	628	628	628	629	629	629	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629
28	627	628	628	628	628	629	629	629	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629
29	628	628	628	628	628	629	629	629	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629
30	630	630	630	630	630	630	630	630	630	630	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	630
31	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	629
AV	628	629	629	629	629	629	629	629	629	629	628	628	628	628	627	626	626	626	627	627	628	628	628	628	628	628
30	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

BAROMETRIC PRESSURE (CC126)

MM OF HG

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

JUN, 1960

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	628	628	628	628	628	628	628	627	627	626	625	625	624	624	623	624	624	624	625	626	626	626	627	627	626	628	
2	627	626	626	626	626	626	626	626	626	625	625	625	624	624	623	623	623	623	623	623	623	623	624	624	624	627	
3	625	625	625	626	627	628	628	628	627	627	627	627	626	626	626	626	626	626	626	626	626	627	627	627	627	628	
4	628	628	628	629	629	630	630	629	629	628	628	628	628	627	627	626	626	626	626	626	625	625	626	626	627	629	
5	628	628	628	628	628	628	628	628	627	627	627	626	626	626	626	625	625	625	625	625	625	625	626	626	627	629	
6	626	627	627	627	628	628	628	628	627	627	627	626	626	626	626	626	626	626	628	629	630	631	631	632	628	632	
7	632	633	633	633	634	635	635	635	635	634	634	633	633	633	632	632	632	632	632	632	633	634	634	634	633	635	
8	635	635	635	636	636	636	636	636	636	635	635	634	633	633	632	632	631	631	631	631	631	632	632	633	633	636	
9	633	633	633	633	634	634	634	634	633	633	632	631	631	630	629	629	628	628	627	628	628	629	629	629	629	634	
10	629	629	629	629	630	630	630	629	629	628	628	627	627	626	626	626	625	625	625	625	626	626	627	627	627	631	
11	627	628	628	628	629	629	629	629	628	628	628	627	627	627	627	627	627	627	627	627	627	627	628	628	629	634	
12	629	629	629	630	630	631	631	631	631	630	629	629	628	628	627	627	627	627	627	627	627	628	628	629	629	631	
13	630	630	630	630	631	631	631	631	631	630	629	629	628	628	627	627	627	627	627	627	627	628	628	629	629	631	
14	628	628	628	628	628	628	628	628	628	628	628	628	627	627	627	627	627	627	627	627	627	627	628	628	629	631	
15	633	633	633	634	634	635	635	635	635	634	634	633	633	633	633	633	632	632	632	632	633	633	634	634	635	636	
16	635	635	635	635	636	636	636	636	635	635	635	634	634	633	633	632	632	632	632	632	633	633	633	633	633	636	
17	633	633	633	633	633	634	634	634	634	633	633	633	632	632	632	632	632	632	632	632	633	633	633	633	633	636	
18	631	631	631	631	631	631	631	631	631	631	630	629	629	628	628	628	628	628	628	628	628	629	629	629	629	631	
19	629	630	630	631	631	631	631	631	631	631	630	629	629	628	628	628	628	628	629	629	629	630	631	631	631	631	
20	631	632	632	632	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	629	629	630	631	631	631	631	
21	630	631	631	631	631	631	631	631	631	631	630	629	629	628	628	628	628	628	628	628	629	629	630	630	631	631	
22	630	630	630	631	631	631	631	631	631	631	630	629	629	628	628	628	627	627	627	627	628	628	629	629	629	631	
23	629	628	629	628	629	629	629	628	628	628	627	627	626	626	626	626	626	626	627	627	628	628	629	629	629	631	
24	629	629	630	630	630	631	631	631	631	630	629	629	629	628	628	628	628	628	628	628	629	630	630	630	629	631	
25	631	631	631	631	631	631	631	631	631	631	631	631	630	629	629	629	629	629	629	629	630	631	631	631	631	633	
26	631	631	631	631	631	631	631	631	631	631	631	630	629	629	629	629	628	628	628	628	629	630	631	631	631	633	
27	630	631	632	632	633	634	635	635	635	634	634	633	633	632	632	632	632	632	632	632	633	633	634	634	635	636	
28	635	635	635	635	636	636	636	636	636	635	635	634	634	633	633	632	632	632	632	632	633	633	634	634	635	636	
29	633	633	633	633	634	634	634	634	633	633	632	631	631	630	629	629	628	628	629	629	630	630	630	630	631	631	634
30	630	631	631	631	631	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	630	631	631	631	631	634	
AV	630	630	631	631	631	632	632	632	631	631	630	629	629	628	628	628	628	628	628	628	629	630	630	630	630	630	
SD	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	635	634	634	634	634	634	634	634	634	634	634	634	633	632	632	632	632	632	632	633	633	634	635	635	634	635
2	635	635	635	635	636	636	636	636	636	636	636	636	635	634	634	634	634	633	633	633	633	634	635	635	634	635
3	634	634	634	634	634	634	634	634	634	634	634	634	632	632	631	630	630	629	629	629	630	630	631	631	630	631
4	631	631	632	632	632	633	633	633	633	633	633	633	631	630	630	630	629	629	629	629	630	630	631	631	631	633
5	631	632	632	632	632	633	633	633	633	633	633	633	631	630	629	629	629	630	630	630	630	631	631	631	631	633
6	631	631	631	631	632	633	633	633	633	633	633	633	631	630	629	629	629	630	630	630	630	631	631	631	631	633
7	633	633	633	633	634	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	633
8	633	633	633	633	634	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	633
9	635	635	635	635	636	636	636	636	636	636	636	635	634	633	633	633	633	633	633	633	634	634	634	634	634	636
10	633	633	633	633	634	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	633
11	633	633	633	633	633	633	633	633	633	633	633	633	631	630	630	630	629	629	629	629	630	630	630	630	630	631
12	630	630	630	630	631	631	631	631	631	631	631	631	631	630	629	629	628	628	628	628	629	629	630	630	630	631
13	630	631	631	631	631	631	631	631	631	631	631	631	631	630	630	630	630	631	631	631	631	631	631	631	631	632
14	632	632	632	632	632	633	633	633	633	633	633	633	632	632	631	631	631	631	631	631	632	632	632	632	632	634
15	631	631	631	632	632	632	633	633	633	633	633	633	632	632	631	631	631	631	631	631	632	632	632	632	632	634
16	634	634	634	634	635	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	634	634	634	634	635
17	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
18	629	629	629	629	630	630	630	630	630	630	630	630	629	628	627	627	626	626	626	626	626	626	626	626	626	628
19	627	627	627	628	628	629	629	629	629	629	629	628	628	628	627	627	626	626	626	626	626	626	626	626	626	628
20	630	631	631	632	632	632	633	633	633	633	633	632	632	631	630	630	629	629	629	629	630	630	630	630	630	630
21	633	633	633	634	634	634	634	634	634	634	634	634	633	633	632	632	631	631	631	631	632	632	632	632	632	633
22	634	634	634	634	635	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	634	634	634	634	635
23	633	633	633	633	634	634	634	634	634	634	634	633	633	633	633	633	633	633	633	633	633	633	633	633	633	634
24	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
25	632	633	633	633	633	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	632
26	633	633	633	633	634	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	632
27	632	632	632	633	633	633	633	633	633	633	633	632	632	631	630	630	629	629	629	629	630	630	630	630	630	632
28	631	632	632	632	632	633	633	633	633	633	633	632	632	631	630	630	629	629	629	629	630	630	630	630	630	631
29	630	630	631	631	631	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	633
30	633	633	633	634	634	634	634	634	634	634	634	633	632	632	631	631	631	631	631	631	632	632	632	632	632	633
31	633	634	634	634	634	635	635	635	635	635	634	634	634	633	633	633	633	633	633	633	632	632	632	632	632	633
AV	632	632	632	632	633	633	633	633	633	633	632	632	631	631	630	630	629	629	629	629	630	630	630	630	630	631
SD	2	2	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1

BAROMETRIC PRESSURE (C126)

MM OF HG

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

AUG, 1960

AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	633	633	633	633	633	633	633	634	634	634	633	633	632	631	630	629	629	629	629	630	630	631	631	631	632	634
2	631	632	632	632	633	633	633	633	633	632	632	631	630	629	628	628	627	627	627	627	627	627	627	628	628	630
3	628	628	628	628	628	628	628	628	628	628	627	627	627	625	624	623	623	623	623	623	624	625	626	626	626	628
4	626	627	627	627	627	627	627	627	627	627	627	627	627	625	625	625	625	625	625	625	625	626	626	627	627	628
5	627	627	628	628	628	629	629	629	629	629	628	628	627	626	626	625	625	625	625	625	625	626	626	627	627	629
6	627	627	628	628	628	629	629	630	630	630	629	629	628	627	627	627	627	627	627	627	628	628	629	629	629	630
7	629	629	629	630	630	631	631	631	631	631	631	631	631	630	629	629	629	629	629	629	629	629	629	629	629	630
8	630	630	630	630	630	630	630	630	630	630	629	629	628	627	626	626	625	625	625	625	626	626	627	627	628	630
9	627	627	628	628	628	629	629	629	629	629	628	628	627	626	626	626	626	626	626	626	627	627	628	628	629	630
10	628	629	629	629	629	630	630	630	630	630	629	629	628	628	628	628	628	628	628	628	628	629	630	630	630	631
11	631	632	632	632	633	633	633	633	633	633	632	632	631	630	629	629	629	629	629	629	629	630	630	630	630	631
12	631	631	631	631	631	631	631	631	631	630	629	629	628	627	627	627	627	627	627	627	628	628	629	629	629	630
13	630	630	630	630	630	630	630	630	630	630	629	629	628	627	626	626	626	626	626	626	627	627	627	627	627	629
14	629	629	629	629	629	629	629	629	629	628	628	628	627	626	626	625	625	625	625	625	626	626	627	627	627	629
15	627	627	628	628	628	628	628	628	628	628	627	627	626	626	626	626	626	626	626	626	627	627	627	627	627	629
16	629	629	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	631
17	631	632	632	632	632	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	629	629	629	629	629	630
18	628	628	628	628	628	628	628	628	628	628	627	627	626	626	625	625	625	625	625	625	626	626	626	626	626	628
19	626	626	626	627	627	627	628	628	628	628	628	628	627	627	627	627	627	627	627	627	628	628	629	629	629	630
20	633	633	633	634	634	634	634	634	634	634	633	633	633	632	632	632	632	632	632	632	632	632	632	632	632	633
21	634	634	634	634	634	635	635	635	635	635	634	634	633	633	632	632	632	632	632	632	632	632	632	632	632	633
22	631	631	631	632	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	629	629	629	629	629	629	630
23	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	632
24	635	634	634	634	634	634	634	634	634	634	633	633	633	632	632	632	632	632	632	632	632	632	632	632	632	633
25	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	634
26	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	632
27	634	634	634	634	634	634	634	634	634	634	633	633	633	632	632	632	632	632	632	632	632	632	632	632	632	633
28	630	630	631	631	631	631	631	631	631	631	631	631	631	630	630	629	629	629	629	629	629	629	629	629	629	630
29	630	630	630	630	631	631	631	631	631	631	631	631	631	630	630	629	629	629	629	629	629	629	629	629	629	630
30	630	629	629	629	629	629	629	629	629	629	628	628	627	626	626	625	625	625	625	625	626	626	626	626	626	628
31	630	630	630	630	630	630	630	630	630	630	630	630	629	629	628	628	628	628	628	629	629	630	630	630	630	631
AV	630	630	630	630	631	631	631	631	631	631	630	630	629	629	628	628	628	628	628	628	629	629	629	629	629	630
90	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	631	631	631	632	632	632	633	633	633	633	633	632	631	631	630	630	630	630	630	630	631	631	632	632	632	632	632	
2	632	632	632	632	632	632	633	633	633	633	633	633	633	632	629	628	628	628	628	628	628	629	629	629	629	629	630	633
3	629	629	629	629	630	630	631	631	631	631	631	630	630	629	629	629	629	629	629	629	630	631	632	632	633	630	633	
4	633	633	633	633	634	634	635	635	635	635	635	634	633	632	632	632	632	631	632	632	633	634	634	633	633	630	633	
5	634	635	635	635	635	636	636	636	636	636	636	635	634	633	632	632	632	632	632	632	633	633	633	633	634	634	635	
6	634	634	634	634	634	634	634	635	634	634	634	633	631	631	630	630	630	630	630	630	631	631	631	631	631	631	632	
7	631	631	631	631	631	631	631	632	632	632	633	634	634	634	634	634	634	634	634	634	635	635	635	635	635	635	635	
8	633	633	633	633	633	633	634	634	634	634	635	635	635	635	634	634	634	634	634	635	635	635	635	635	635	635	635	
9	635	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	
10	635	635	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	
11	632	632	631	631	631	631	631	631	631	631	631	630	629	629	629	629	629	629	629	629	630	630	630	630	630	630	632	
12	630	631	631	631	631	631	632	632	632	632	632	631	630	629	629	629	629	629	629	630	630	630	630	630	630	630	632	
13	631	631	631	631	631	631	631	631	631	631	631	630	629	628	628	628	628	628	628	628	629	630	630	630	630	630	632	
14	631	631	631	632	632	633	633	634	634	634	634	633	632	631	631	631	631	631	631	631	631	631	631	631	631	631	632	
15	633	633	633	633	633	633	634	634	634	634	634	633	632	631	630	629	629	629	629	629	630	630	630	630	630	630	632	
16	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	630	
17	632	632	632	632	632	632	632	632	632	632	632	631	630	629	629	629	629	629	629	629	630	631	631	631	631	631	632	
18	632	633	633	633	633	634	634	634	634	634	634	633	632	631	630	629	629	629	629	629	630	630	630	630	630	630	632	
19	628	627	628	628	628	628	628	628	628	628	628	627	626	625	625	625	625	625	625	625	626	626	626	626	626	626	628	
20	630	630	630	630	631	631	631	631	631	631	630	629	628	627	627	627	627	627	627	627	627	627	627	627	627	627	629	
21	626	626	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	629	
22	634	634	634	634	634	635	635	636	636	636	636	635	634	633	633	633	632	632	632	632	633	633	633	633	633	633	636	
23	634	634	634	634	634	634	635	635	635	635	635	634	633	632	631	630	630	630	630	630	631	631	631	631	631	631	635	
24	633	633	633	633	633	633	633	634	634	634	634	633	632	631	630	630	630	630	630	630	631	631	631	631	631	631	632	
25	633	634	634	634	634	634	634	634	634	634	634	633	632	631	630	629	629	629	629	629	630	630	630	630	630	630	632	
26	634	634	634	634	635	635	635	636	636	636	635	634	633	632	631	630	629	629	629	629	630	630	630	630	630	630	632	
27	633	633	633	634	634	634	634	634	634	634	634	633	632	631	630	629	629	629	629	629	630	630	630	630	630	630	632	
28	631	631	631	632	632	632	632	632	632	632	631	630	629	628	628	628	628	628	628	628	629	629	629	629	629	629	632	
29	632	632	633	633	633	634	634	634	634	634	634	633	632	631	630	629	629	629	629	629	630	630	630	630	630	630	632	
30	636	636	636	636	637	637	637	637	637	637	636	635	634	633	633	632	632	632	632	632	633	634	634	634	634	634	636	
AV	632	632	632	632	633	633	633	633	633	633	633	632	631	630	630	630	630	630	630	630	631	631	631	631	631	631	632	
SD	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

BAROMETRIC PRESSURE (CC126)

MM OF HG

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

OCT, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK
1	635	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
2	636	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
3	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
4	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639
5	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
6	637	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
7	637	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
8	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
9	631	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
10	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
11	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
12	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
13	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
14	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
15	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628
16	622	622	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623	623
17	628	628	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
18	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
19	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
20	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
21	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
22	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
23	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
24	639	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640
25	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637
26	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
27	625	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
28	638	638	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639
29	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641
30	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640
31	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
AV	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
SD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

BAROMETRIC PRESSURE (CG126)

MM OF HG

WHITE RIVER SHALE PROJECT, W139

RONANZA, UTAH

SITE 6

NOV, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	DFAR	
1	637	637	638	638	638	638	638	638	638	638	637	637	636	635	634	633	633	633	634	634	635	635	635	635	635	636	638
2	635	635	635	636	636	636	636	636	636	636	636	635	634	633	632	632	632	632	632	633	634	635	635	636	636	635	636
3	636	637	637	637	638	638	639	639	639	639	639	638	638	637	637	636	636	636	637	638	638	638	639	639	639	638	639
4	640	640	640	640	640	640	641	641	641	641	641	640	639	638	638	637	637	637	638	638	639	639	639	639	639	639	641
5	639	639	639	639	639	639	639	639	639	639	639	639	638	638	638	637	637	637	638	638	639	639	639	639	639	639	640
6	634	634	634	634	634	634	634	634	634	634	634	633	631	630	630	630	629	629	630	630	631	631	631	631	631	632	634
7	631	631	631	632	632	632	632	632	632	632	632	631	630	628	628	627	627	627	627	627	627	627	627	627	627	630	633
8	627	627	627	627	627	627	627	627	627	627	627	627	626	626	626	626	626	626	626	627	627	627	627	627	627	629	631
9	631	631	631	631	631	631	631	631	631	631	631	630	629	628	628	627	627	627	627	628	629	630	631	631	631	629	631
10	629	630	631	631	631	631	631	631	631	631	631	630	629	628	628	627	627	627	628	629	630	630	630	630	630	630	632
11	630	631	631	631	632	632	632	632	632	632	632	631	630	629	628	628	628	628	628	629	629	629	629	629	629	630	633
12	629	629	629	629	629	629	629	629	629	629	628	627	626	626	626	626	626	626	627	628	628	628	628	628	628	629	629
13	629	629	630	630	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	632	635
14	635	635	635	635	635	635	635	635	635	635	635	634	634	633	633	633	633	633	634	634	634	634	634	634	634	635	636
15	635	634	635	635	635	635	635	635	635	635	635	634	634	633	633	633	633	633	634	634	634	634	634	634	634	635	636
16	638	639	639	639	639	639	639	640	640	640	640	639	638	638	637	637	637	637	637	637	638	638	638	638	638	639	640
17	639	639	639	639	639	639	639	640	640	640	640	639	638	638	637	637	637	637	637	638	638	638	638	638	638	639	640
18	639	639	640	640	640	640	641	641	641	641	640	639	638	638	637	637	637	637	637	638	638	638	638	638	638	639	640
19	639	639	639	639	639	639	639	639	639	639	639	638	637	636	635	635	635	635	635	636	636	636	636	636	636	637	640
20	637	638	638	638	638	638	639	639	639	639	640	639	638	638	637	637	637	637	637	638	638	638	638	638	638	638	640
21	639	639	639	639	639	639	639	639	639	639	639	638	637	636	635	635	635	635	636	636	636	636	636	636	636	637	640
22	631	631	631	631	631	631	631	631	631	631	630	629	629	629	629	629	629	629	629	630	631	631	631	631	631	632	634
23	632	633	633	633	633	633	634	634	634	634	634	633	632	631	630	629	629	629	629	630	631	631	631	631	631	632	634
24	627	627	627	626	626	626	627	627	627	627	627	627	626	626	626	626	626	626	627	627	627	627	627	627	627	628	631
25	639	639	640	640	640	640	641	641	641	641	640	639	638	638	637	637	637	637	637	638	638	638	638	638	638	639	640
26	639	639	639	639	639	639	639	640	640	640	640	639	638	638	638	638	638	638	639	639	639	639	639	639	639	640	642
27	640	640	640	639	639	639	639	640	640	640	640	639	638	638	638	638	638	638	639	639	639	639	639	639	639	640	642
28	637	637	637	637	637	637	637	637	637	637	637	636	635	635	634	634	634	634	634	634	634	634	634	634	634	635	638
29	635	635	635	635	635	635	635	635	635	635	634	634	633	631	630	629	629	629	629	629	629	629	629	629	629	630	635
30	628	628	627	627	627	627	627	627	627	627	627	626	625	624	624	624	624	624	624	624	624	624	624	624	624	625	628
AV	635	635	635	635	635	635	635	635	635	635	635	634	633	632	632	632	632	632	633	633	633	633	633	633	633	634	638
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

BAROMETRIC PRESSURE (CCI26)

WHITE RIVER SWALE PROJECT, #139
 HONANZA, UTAH
 SITE 6

MM OF HG

 * FINAL DATA *
 * AS OF 31/MAR/81 *

DEC. 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	624	624	624	624	625	626	627	628	629	631	631	630	630	630	630	630	630	630	631	631	632	632	632	632	629	632
2	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	631	632
3	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
4	627	627	627	627	627	626	626	626	626	626	626	626	626	626	625	625	625	625	625	625	625	625	625	625	626	627
5	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	626	627
6	627	627	627	627	627	627	627	627	627	627	627	627	627	627	626	625	625	625	625	625	625	625	625	625	626	627
7	626	626	627	627	627	627	627	628	628	629	629	629	629	629	629	629	629	629	630	631	632	632	633	633	629	633
8	633	633	634	634	634	634	634	634	635	635	635	634	634	633	633	633	633	633	633	633	634	634	634	634	634	635
9	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
10	641	641	641	642	641	642	642	642	643	642	642	642	642	641	640	640	640	640	640	640	641	641	641	641	641	643
11	641	641	641	641	641	641	641	642	642	642	641	640	640	639	638	638	638	638	638	638	639	639	639	639	640	642
12	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	640	642
13	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	639
14	640	640	640	640	640	640	640	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641
15	640	639	640	640	640	640	640	641	641	642	642	642	642	641	640	639	639	639	640	640	641	641	641	641	641	642
16	641	641	641	641	641	641	641	641	641	642	642	642	642	641	640	639	638	638	638	638	638	638	638	638	640	642
17	638	638	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	638
18	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
19	632	632	632	633	633	633	633	634	634	635	635	634	633	633	632	632	632	632	632	632	632	632	632	632	631	632
20	636	636	636	636	636	636	636	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	638
21	636	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	637
22	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	634
23	632	632	632	633	633	633	633	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	636
24	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	639
25	637	636	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	638
26	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	640
27	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	640
28	636	636	636	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	638
29	640	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641
30	640	640	640	640	640	640	640	640	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641
31	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
AV	635	635	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	637
30	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5

RELATIVE HUMIDITY FCC:301

PERCENT

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	73	75	79	80	80	75	70	62	49	40	39	39	39	37	35	34	40	42	47	51	55	60	66	70	47	70
2	67	70	72	78	85	87	83	68	57	47	39	34	30	27	31	27	25	27	37	41	50	64	65	62	55	80
3	76	76	79	82	83	81	75	67	60	49	43	38	36	42	43	41	44	51	62	67	69	69	73	60	83	83
4	77	76	78	77	79	76	62	45	39	37	37	34	32	57	73	68	66	63	64	67	71	76	71	75	61	79
5	74	42	83	82	83	84	76	64	49	49	59	58	51	37	33	34	55	75	85	81	82	83	86	85	66	86
6	84	82	81	81	77	66	54	45	48	59	56	47	37	28	27	39	72	73	72	66	64	66	72	77	61	84
7	82	70	70	70	69	64	55	50	48	45	39	45	51	51	44	38	49	69	79	83	83	84	86	83	62	86
8	85	88	87	86	86	83	79	65	51	47	57	44	40	41	29	32	32	44	59	63	69	82	86	86	63	88
9	84	82	81	79	79	74	62	58	54	53	65	70	61	67	68	61	61	79	78	65	71	79	82	71	84	88
10	73	72	68	64	64	65	67	64	56	56	57	53	46	43	40	43	56	63	75	78	81	81	82	83	64	83
11	83	82	85	87	86	85	73	71	62	53	46	43	38	34	30	36	47	44	47	57	66	71	75	79	62	87
12	80	78	80	82	84	83	65	55	45	42	35	30	29	34	38	37	43	47	53	60	64	70	76	81	54	84
13	81	82	82	81	66	57	54	49	43	39	34	31	32	34	38	33	31	26	39	45	49	52	56	57	50	82
14	68	73	76	71	53	57	58	53	47	49	44	41	37	38	37	36	39	41	44	48	54	60	73	77	61	87
15	79	82	83	84	85	85	78	64	53	48	40	33	29	24	21	17	17	17	21	37	51	54	59	63	51	85
16	63	68	73	75	76	73	61	53	36	33	29	25	21	19	17	16	15	16	21	28	41	46	49	54	42	76
17	61	64	69	75	77	74	60	55	42	38	35	29	25	22	20	19	18	18	20	27	39	48	51	51	43	77
18	57	62	67	72	75	70	59	50	40	33	31	28	24	19	17	15	15	15	16	20	31	41	46	49	40	75
19	53	58	61	67	73	74	70	63	55	48	39	36	32	27	17	16	24	33	39	41	42	41	44	45	46	74
20	43	42	40	41	43	41	42	42	39	36	36	34	33	32	32	29	26	24	24	31	40	42	44	46	36	84
21	32	29	27	29	30	34	36	32	29	31	30	30	29	34	39	40	37	39	35	37	44	45	45	46	35	86
22	49	90	91	87	83	85	82	62	54	24	22	19	12	10	10	9	8	9	11	14	20	33	38	42	42	91
23	45	49	53	57	58	55	43	37	32	19	18	16	14	14	13	11	12	13	15	15	19	24	34	40	30	84
24	42	42	45	49	54	54	43	33	27	16	19	17	15	13	12	11	11	11	11	11	14	14	24	31	26	84
25	58	60	60	60	63	64	62	54	47	38	34	26	23	21	21	21	21	21	21	22	26	35	48	53	43	77
26	58	60	60	63	64	62	54	47	38	34	26	23	21	21	21	21	21	21	21	22	26	35	48	53	43	77
27	45	49	53	57	58	55	43	37	32	19	18	16	14	14	13	11	12	13	15	15	19	24	34	40	30	84
28	42	42	45	49	54	54	43	33	27	16	19	17	15	13	12	11	11	11	11	11	14	14	24	31	26	84
29	58	60	60	63	64	62	54	47	38	34	26	23	21	21	21	21	21	21	21	22	26	35	48	53	43	77
30	58	60	60	63	64	62	54	47	38	34	26	23	21	21	21	21	21	21	21	22	26	35	48	53	43	77
31	33	37	38	42	47	44	42	50	47	43	36	34	29	27	25	22	20	20	21	26	33	38	44	50	35	84
AV	65	65	68	70	70	68	62	55	46	43	40	36	33	32	32	32	35	39	43	47	52	58	61	63	50	77
90	17	16	16	15	15	15	11	10	12	11	11	11	12	12	15	16	19	22	23	23	21	20	19	18	12	77

ABOUT [29 JAN 81]

RELATIVE HUMIDITY (CC130)

PERCENT

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUN, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PFAK
1	54	58	61	64	57	46	41	38	32	31	34	29	27	47	48	42	51	62	71	82	83	82	83	84	84
2	91	90	86	70	60	52	46	38	34	32	20	19	18	16	14	13	12	12	12	12	13	19	22	23	34
3	26	28	30	35	36	35	29	22	19	18	16	13	11	10	9	8	8	7	7	7	6	12	16	19	18
4	22	26	26	26	28	30	29	25	21	20	19	17	15	14	12	10	9	10	12	13	14	15	16	17	19
5	21	25	31	33	37	40	38	33	27	23	20	17	16	15	13	11	10	11	11	12	14	15	18	14	21
6	19	24	29	33	38	35	26	22	21	17	16	14	13	13	12	11	9	10	18	24	26	28	28	31	38
7	37	46	51	54	56	59	61	53	47	43	39	38	33	29	27	26	24	23	22	22	22	24	24	35	38
8	38	39	40	41	43	49	52	51	44	35	32	31	28	22	17	15	15	14	14	14	15	17	23	27	30
9	32	35	39	43	48	50	49	42	34	30	28	24	20	17	16	16	16	16	16	19	24	29	31	33	50
10	35	38	42	46	50	48	42	34	29	27	25	22	17	14	13	13	14	14	14	14	15	16	17	17	26
11	18	18	19	21	23	27	29	66	21	21	17	15	14	13	12	11	11	11	12	13	15	16	16	19	66
12	17	17	18	18	20	21	19	18	16	15	14	14	14	13	12	11	11	11	12	13	15	16	16	19	66
13	14	21	24	26	28	30	31	28	24	17	14	12	11	10	9	8	7	7	7	7	7	7	7	7	21
14	13	15	16	17	20	23	24	23	20	18	15	13	12	11	10	10	10	10	10	10	10	10	10	10	21
15	42	45	48	52	58	60	57	53	46	37	34	34	33	30	27	26	27	27	27	27	27	27	31	37	40
16	39	44	47	50	57	58	51	44	42	39	35	35	30	28	27	25	22	20	20	20	24	28	33	36	40
17	38	41	43	48	45	43	37	33	32	32	31	28	24	22	19	17	16	16	17	17	18	21	24	24	45
18	32	34	35	37	39	42	44	43	36	26	26	24	22	21	19	18	18	18	18	18	18	21	24	24	44
19	33	35	36	38	40	42	42	38	35	35	34	31	25	26	25	24	23	23	24	24	34	34	40	43	43
20	45	47	50	52	53	49	42	39	31	31	29	26	24	18	14	11	11	11	12	14	16	18	18	19	28
21	21	23	25	28	32	34	35	36	34	29	26	21	20	19	17	15	14	14	14	13	13	14	16	19	22
22	22	23	25	28	30	32	34	37	38	35	30	26	24	23	20	18	15	14	14	13	13	14	16	19	22
23	17	18	18	18	17	18	20	21	17	15	13	12	10	10	10	10	10	10	11	11	11	11	12	14	23
24	24	27	29	32	33	32	27	24	22	21	18	17	15	13	12	12	11	11	11	12	12	14	15	17	19
25	17	18	21	23	25	27	27	25	21	20	18	16	15	13	12	12	11	11	11	12	12	14	15	17	19
26	28	30	32	34	36	35	32	28	27	23	20	19	16	13	12	12	12	13	15	17	19	22	23	26	19
27	20	23	29	29	28	28	27	25	23	20	18	16	15	13	12	10	10	10	10	11	11	13	14	16	20
28	31	33	36	40	42	40	36	33	26	24	23	21	19	18	17	15	16	17	18	19	20	22	24	24	29
29	33	34	34	34	35	33	31	28	26	24	24	23	22	21	18	17	17	17	17	20	23	27	30	32	27
30	36	39	40	42	45	46	47	45	44	54	50	49	45	41	38	37	37	38	72	66	67	78	81	78	81
AV	31	33	35	37	39	39	37	35	30	27	25	23	20	19	18	17	16	17	19	20	22	24	27	29	27
SD	15	15	14	13	12	11	10	11	9	9	9	8	9	8	9	8	9	9	11	15	16	17	17	16	10

RELATIVE HUMIDITY (CC130)

PERCENT

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

JUL, 1960

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	74	72	75	75	75	70	60	50	48	52	52	45	38	34	34	48	51	49	62	66	74	77	84	83	60	84
2	83	81	81	83	85	85	84	84	70	60	47	45	50	48	42	40	36	34	43	54	59	62	63	66	62	85
3	70	74	77	81	80	71	60	54	45	40	39	34	29	27	24	23	19	16	12	13	16	21	29	36	41	81
4	47	49	52	48	47	44	39	34	33	33	29	27	25	22	18	16	17	13	12	10	9	12	15	20	29	52
5	22	25	28	31	33	36	40	43	38	28	20	17	15	13	11	9	4	3	3	3	2	3	3	5	18	43
6	8	7	7	7	8	9	12	16	25	29	28	23	17	14	12	10	9	6	7	8	9	10	12	13	13	29
7	13	14	17	20	23	27	29	34	35	39	42	39	36	35	32	26	23	23	26	29	30	32	34	39	29	42
8	45	49	53	59	58	56	57	59	59	50	44	41	37	35	33	32	30	25	25	31	51	54	60	65	46	65
9	70	74	76	76	79	80	70	58	32	31	27	25	23	22	22	22	22	23	24	25	29	32	32	35	42	80
10	40	43	49	53	56	53	44	33	28	24	22	21	20	18	16	19	19	19	25	28	29	31	34	36	32	56
11	39	43	49	54	58	60	58	51	41	34	29	26	21	20	19	23	23	20	18	19	21	25	29	35	34	60
12	36	42	43	47	51	50	49	46	36	33	32	33	61	51	30	25	23	24	24	25	27	31	36	38	37	61
13	40	42	44	48	51	52	52	63	59	47	40	36	33	27	22	28	32	45	43	42	42	51	56	59	44	63
14	59	59	61	64	67	72	69	59	47	43	29	27	26	20	17	17	17	17	17	17	20	23	24	27	37	72
15	30	30	31	32	35	38	34	27	22	19	18	18	18	17	16	16	17	18	19	21	25	28	33	35	25	38
16	37	40	45	50	54	53	48	41	35	34	31	29	26	23	21	18	17	17	18	19	21	25	28	33	25	38
17	35	36	38	41	42	44	43	38	32	28	27	25	21	18	16	14	12	12	13	16	20	26	30	33	32	54
18	28	31	32	33	36	40	43	39	36	31	29	26	26	25	20	18	16	14	14	15	17	18	21	24	26	44
19	24	26	26	27	28	30	32	32	29	24	23	22	21	20	18	17	16	16	18	19	21	23	24	27	24	43
20	30	33	37	40	43	45	47	46	38	34	32	30	28	24	22	20	18	18	19	20	22	23	24	27	23	32
21	32	35	37	39	42	45	46	40	36	34	27	24	20	17	16	14	13	12	12	15	20	23	24	26	27	46
22	28	29	31	31	33	35	32	28	26	26	24	22	19	17	16	16	17	17	18	20	23	25	26	27	24	35
23	28	29	30	32	35	39	37	32	29	28	25	24	23	21	25	51	45	39	37	42	48	47	50	53	35	53
24	57	57	59	63	62	61	54	48	40	35	30	27	24	23	23	21	21	46	36	32	34	39	49	63	42	63
25	70	72	72	72	73	72	61	50	45	35	24	22	19	15	13	14	18	19	23	31	35	36	40	46	41	73
26	42	43	45	45	49	48	42	32	28	26	21	16	13	12	12	12	12	12	14	21	26	29	33	36	28	49
27	39	41	45	48	52	47	44	37	30	24	19	14	13	12	11	11	11	12	12	14	17	20	23	25	24	52
28	28	32	34	36	40	40	36	31	28	26	21	18	16	12	12	9	7	5	4	5	6	8	10	15	20	40
29	19	22	24	27	29	30	31	30	25	23	23	22	21	21	25	28	27	32	36	38	41	41	43	46	29	46
30	48	47	50	54	58	61	65	58	50	43	35	33	30	28	28	28	27	27	32	36	44	53	56	59	44	65
31	61	63	66	67	69	63	52	41	33	30	26	21	18	16	16	16	17	19	22	26	30	33	34	36	34	69
AV	41	43	46	48	50	48	43	37	34	30	27	25	23	21	21	20	21	22	24	28	34	37	34	37	34	()
SD	18	18	18	18	18	17	14	13	11	9	8	6	10	9	7	10	10	11	13	14	16	16	17	17	11	()

RELATIVE HUMIDITY (CC830)

PERCENT

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	36	39	43	46	48	49	47	46	44	40	32	32	30	29	28	28	27	35	44	43	43	44	47	52	40	52	
2	57	59	61	65	67	69	66	55	46	44	41	37	30	27	23	22	20	19	16	16	16	20	24	27	30	39	
3	31	34	35	36	40	37	37	34	30	29	30	26	22	21	21	21	19	17	16	17	19	21	23	25	27	40	
4	28	31	34	36	39	43	44	39	34	29	24	17	14	13	11	10	10	10	12	15	17	19	21	23	24	44	
5	25	29	30	31	33	34	35	33	30	25	23	22	22	21	21	21	19	18	19	20	21	23	24	24	25	35	
6	26	29	32	34	37	40	38	35	30	29	25	25	23	21	18	17	17	17	17	17	19	21	25	27	26	40	
7	28	30	34	36	36	39	41	38	31	29	26	24	23	21	20	19	19	18	18	18	19	21	23	25	27	41	
8	25	26	27	28	30	33	36	34	29	28	26	24	22	21	19	18	17	17	18	19	21	23	24	25	25	36	
9	27	33	35	37	41	45	45	39	35	31	27	25	22	19	18	18	18	18	18	19	22	25	27	29	28	45	
10	31	32	34	37	39	40	42	40	34	29	26	25	21	17	15	14	14	14	14	13	14	15	18	20	25	42	
11	21	23	25	27	29	31	33	32	29	22	21	19	17	14	12	10	10	10	10	12	14	15	16	17	20	33	
12	18	19	21	22	24	25	25	23	22	25	26	26	23	22	22	23	22	25	27	28	31	35	38	39	25	39	
13	41	44	48	52	52	54	54	49	42	40	38	36	32	30	28	29	35	44	50	50	55	55	56	59	45	59	
14	60	63	65	67	69	70	70	68	59	53	46	42	37	35	31	32	32	30	31	36	62	67	69	67	53	70	
15	70	80	84	82	77	72	74	74	69	58	48	52	46	35	26	21	25	28	48	59	63	64	72	76	59	84	
16	78	79	79	80	77	74	75	62	51	41	30	29	27	23	20	18	17	17	17	20	29	41	45	48	45	80	
17	55	59	65	66	70	73	73	61	47	41	38	34	27	18	16	16	13	12	12	12	13	20	23	26	37	73	
18	29	30	33	35	39	45	49	45	36	22	17	15	13	12	11	8	5	5	6	8	10	13	15	18	22	49	
19	21	22	20	22	21	22	22	21	19	19	18	19	16	20	28	33	34	35	44	48	45	46	47	47	29	48	
20	50	58	67	69	68	68	68	61	53	37	35	32	28	23	19	18	17	16	16	16	19	23	27	32	36	39	
21	39	41	44	47	49	53	53	47	37	32	29	26	21	19	18	16	14	13	13	14	18	21	28	27	30	53	
22	30	33	35	39	42	45	43	37	24	25	19	15	12	13	16	15	17	18	19	21	24	29	30	32	27	45	
23	33	33	40	45	45	47	51	46	41	39	38	36	41	41	41	59	81	79	77	67	62	61	62	66	51	81	
24	69	74	77	74	77	74	74	66	52	49	45	42	40	37	37	38	36	37	41	65	70	76	73	71	58	78	
25	75	81	81	81	81	81	77	65	56	55	66	84	85	82	76	65	76	73	68	75	76	81	81	81	75	85	
26	82	83	82	82	82	79	67	62	54	46	33	32	27	23	19	14	13	16	24	29	37	44	47	55	61	83	
27	67	71	73	75	76	78	79	70	54	46	33	32	27	23	19	14	13	16	24	29	37	44	47	55	61	83	
28	39	38	39	45	52	59	63	57	48	36	22	18	10	7	6	7	8	8	10	12	14	16	17	20	27	63	
29	21	21	20	19	19	23	26	24	20	17	13	9	9	9	8	8	9	10	11	13	15	17	18	19	16	26	
30	21	23	29	34	43	47	46	40	34	27	19	17	15	14	13	12	12	13	21	25	28	33	39	46	27	47	
31	53	55	58	61	61	61	59	56	48	40	35	32	27	23	24	25	25	26	27	31	40	42	49	52	42	61	
AV	41	44	47	49	50	52	52	47	40	35	31	29	26	24	22	22	23	23	26	28	32	35	37	40	36	1	
90	19	20	20	20	19	18	17	15	13	11	11	14	14	13	12	13	17	17	17	18	19	19	19	19	19	19	1

RELATIVE HUMIDITY ICC1301

PERCENT

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

SEP, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	P.F.A.R.	
1	55	57	61	66	67	70	71	65	52	30	28	24	21	19	18	17	16	17	21	29	35	37	40	44	40	71	
2	46	46	48	52	55	59	54	44	37	29	26	23	21	18	15	13	14	15	16	21	23	22	24	26	26	59	
3	29	29	29	31	36	40	42	38	31	27	23	22	20	19	17	17	17	16	18	20	22	27	32	35	35	42	
4	40	42	46	48	51	55	57	52	43	36	34	30	25	21	19	15	15	15	16	20	28	32	34	37	34	57	
5	39	40	43	45	49	52	54	51	44	37	32	28	19	16	15	14	14	15	20	24	28	30	32	34	32	54	
6	35	38	41	43	46	47	47	44	39	37	34	32	30	28	29	29	29	31	35	40	41	44	46	46	37	47	
7	47	51	54	58	63	67	65	63	63	60	76	70	65	57	52	64	61	79	81	82	83	83	83	84	84	84	
8	80	79	82	82	81	82	81	80	78	72	71	75	76	68	56	47	48	51	58	66	69	78	80	79	72	82	
9	81	82	82	82	82	82	80	79	74	84	84	83	82	76	68	57	67	66	75	80	83	83	83	82	71	83	
10	82	82	82	82	80	80	80	80	79	74	84	84	83	82	76	68	57	66	75	80	83	83	83	82	71	83	
11	67	75	78	80	82	82	75	68	59	43	39	35	32	32	31	31	36	45	49	50	54	61	64	65	61	72	
12	66	66	64	66	72	76	71	61	55	44	42	38	35	32	29	26	27	36	42	47	54	68	70	69	52	76	
13	69	74	76	77	80	83	82	71	64	53	45	37	23	18	17	15	12	11	13	17	24	29	33	36	44	83	
14	37	39	47	51	53	56	60	57	49	37	26	15	18	19	16	16	16	17	17	27	33	35	39	46	34	60	
15	51	54	56	62	65	67	67	59	51	39	31	26	23	20	18	17	17	20	24	27	31	35	38	41	19	67	
16	44	47	52	57	55	50	44	37	30	22	19	18	16	14	14	15	17	18	20	22	25	28	32	35	30	57	
17	37	41	42	43	45	42	41	39	37	35	33	30	26	24	20	19	18	17	16	17	20	26	31	33	31	85	
18	33	36	39	42	45	48	51	53	51	48	39	33	29	25	24	20	19	19	21	22	24	25	28	24	33	53	
19	25	27	28	29	29	30	31	32	31	29	26	24	21	20	19	19	20	23	28	32	33	39	50	64	30	60	
20	66	71	74	78	82	80	78	76	66	55	40	36	33	30	25	23	21	20	20	20	20	22	23	26	45	82	
21	29	31	35	39	45	51	53	49	42	34	32	30	29	28	27	27	29	35	38	39	40	37	37	43	17	53	
22	49	54	57	61	63	66	68	64	53	44	33	29	24	18	16	16	16	17	17	20	27	30	33	35	19	68	
23	39	42	44	45	48	51	54	52	46	41	33	29	24	18	16	16	16	16	16	20	27	30	33	36	39	50	
24	40	41	43	46	47	50	55	54	52	44	38	28	24	21	19	18	17	18	25	33	37	40	41	44	44	55	
25	46	48	47	46	47	48	47	42	39	34	30	25	21	19	19	19	19	26	33	36	34	34	41	43	35	48	
26	46	49	51	54	55	56	56	50	42	36	33	29	28	24	21	19	18	18	21	26	32	36	36	39	37	56	
27	41	43	46	49	51	52	55	49	43	38	33	30	28	22	19	17	17	19	26	32	35	40	43	43	35	58	
28	46	47	52	54	55	56	57	53	48	38	33	30	27	23	20	20	21	25	29	29	28	29	32	37	37	57	
29	41	45	47	51	54	55	55	50	44	37	33	28	27	25	21	18	17	17	18	22	28	31	33	33	35	55	
30	35	38	40	43	45	47	50	50	46	40	35	29	25	22	21	19	17	17	17	20	26	30	32	33	33	32	50
AV	48	50	53	55	58	59	59	55	49	42	36	34	31	28	25	24	25	26	29	33	37	40	43	45	41	()	
90	16	16	15	15	15	14	13	13	12	14	15	16	16	15	13	14	16	17	17	17	17	17	17	16	16	()	

AUGUST (29 JAN 81)

RELATIVE HUMIDITY (CC130)
PERCENT

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

* FINAL DATA *
* AS OF 31/MAR/81 *

OCT, 1980

AFROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	30	37	40	42	44	47	50	51	49	44	33	32	28	23	21	19	18	18	19	22	26	26	27	27	32	51	
2	28	31	35	37	39	42	45	44	44	38	36	33	30	28	26	25	24	23	23	26	32	36	38	41	33	45	
3	42	43	45	47	50	52	54	55	51	44	39	29	26	23	20	18	17	18	23	29	32	30	37	39	16	55	
4	41	43	45	47	49	51	52	48	43	38	34	29	25	23	21	19	17	17	21	24	27	29	31	32	30	52	
5	34	35	37	39	40	43	44	40	34	30	28	26	24	24	23	23	23	23	26	32	37	38	40	43	30	40	
6	45	48	50	53	54	55	57	54	48	41	36	32	28	27	25	23	22	21	22	27	33	37	39	41	18	57	
7	43	46	48	49	51	53	55	53	48	42	36	32	30	27	24	23	23	23	24	30	35	36	38	40	38	55	
8	43	45	48	50	52	54	56	56	52	37	35	32	28	25	22	20	19	21	26	31	37	39	41	41	38	56	
9	43	45	46	48	51	52	55	53	46	40	38	33	29	26	24	23	23	24	29	34	36	38	41	41	38	55	
10	43	45	47	49	51	52	50	47	43	41	40	38	35	32	28	27	27	27	31	35	40	40	42	44	40	52	
11	45	46	48	50	52	54	55	55	50	45	39	36	34	31	29	26	25	25	26	27	30	31	32	33	39	55	
12	35	37	40	45	48	50	50	50	49	47	46	42	43	43	43	43	43	43	48	74	85	85	80	80	64	85	
13	75	76	76	77	78	79	80	80	78	62	55	49	45	42	43	47	49	47	48	74	85	85	80	80	64	85	
14	84	84	84	84	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
15	78	75	70	70	63	62	70	65	62	52	43	41	47	65	68	55	57	61	64	66	71	74	75	76	64	78	
16	80	84	85	83	77	76	75	77	82	83	84	83	81	78	75	72	63	57	61	64	66	71	74	75	76	64	78
17	48	48	53	59	66	67	65	65	61	52	44	35	34	35	33	29	34	36	38	40	44	49	52	55	47	67	
18	58	60	63	65	65	65	62	57	49	42	38	35	31	30	29	29	29	33	49	57	60	64	72	75	52	75	
19	76	79	80	83	83	83	83	79	67	53	46	42	38	35	33	32	32	34	44	60	67	72	75	76	61	83	
20	80	82	84	86	86	86	86	82	72	51	46	42	38	33	29	25	24	33	49	60	66	70	72	73	61	86	
21	76	79	83	83	82	85	87	74	62	49	40	33	28	24	22	21	21	27	38	48	56	60	62	61	54	87	
22	63	67	69	69	71	73	75	73	60	40	37	30	18	15	14	12	12	11	11	9	14	19	23	27	18	75	
23	35	43	54	60	64	65	59	58	60	59	54	49	35	35	32	30	28	28	30	38	47	52	59	62	47	65	
24	64	67	69	73	75	77	79	81	82	50	39	34	31	27	24	23	23	25	31	42	52	56	59	61	52	82	
25	64	67	70	73	76	79	80	79	66	54	43	39	32	27	25	23	22	22	32	43	48	50	52	52	51	80	
26	53	54	57	59	61	66	67	68	66	61	54	49	51	67	78	84	79	83	87	87	87	87	87	87	87	87	
27	87	87	86	82	79	78	78	79	72	56	53	53	54	50	42	39	39	42	44	45	45	47	49	52	60	87	
28	55	58	60	66	71	76	75	75	62	47	42	39	36	34	32	31	32	35	43	54	54	63	67	70	54	76	
29	73	77	78	78	80	82	83	85	84	73	38	35	30	26	25	26	29	35	45	53	59	67	70	70	58	85	
30	71	78	78	80	83	84	84	75	63	48	39	34	32	27	25	28	25	31	43	54	63	67	69	71	56	84	
31	73	75	78	78	79	81	81	81	71	55	47	38	32	29	27	26	29	35	42	51	58	62	65	68	57	81	
AV	57	59	61	63	65	66	67	66	61	51	40	41	38	36	34	33	32	33	38	48	49	52	54	56	50	61	
SD	18	17	16	15	15	14	14	13	13	12	11	13	15	17	18	18	17	16	17	17	18	18	18	17	12	11	

RELATIVE HUMIDITY (CC130)

PERCENT

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

NOV, 1960

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	69	70	73	76	79	81	81	81	76	65	52	41	37	33	30	27	26	30	36	45	53	58	57	58	56	61
2	63	64	66	69	69	70	75	74	70	53	46	34	36	33	28	26	26	29	37	46	52	56	56	60	61	52
3	62	64	68	70	70	70	74	74	73	66	42	34	30	28	26	26	31	37	42	45	48	51	55	59	52	76
4	63	65	68	70	71	73	74	71	63	51	47	42	38	36	36	37	36	40	50	59	63	67	71	75	57	75
5	79	82	85	87	90	88	88	89	75	58	45	39	36	34	31	30	31	37	47	58	65	70	73	75	62	90
6	77	80	82	83	85	87	88	85	75	59	50	43	38	35	32	30	31	35	42	43	43	40	40	41	56	88
7	44	47	53	62	67	69	71	70	69	58	47	40	30	25	21	22	27	30	31	31	32	33	34	37	43	71
8	33	31	29	27	26	26	27	27	27	26	28	31	33	33	33	32	32	34	37	43	48	52	59	62	35	62
9	64	67	71	74	77	79	82	82	75	60	49	40	37	32	28	26	25	30	40	45	46	48	52	55	54	62
10	57	61	67	70	72	75	78	77	71	58	48	41	38	35	31	27	25	27	36	44	47	47	47	46	51	78
11	48	49	51	55	59	62	65	67	65	61	56	52	45	43	38	33	32	36	40	41	41	42	44	47	49	67
12	50	51	54	60	65	66	62	62	59	55	48	50	49	47	58	79	78	79	88	89	85	84	85	84	66	89
13	84	84	84	78	77	74	73	69	64	58	56	54	53	52	51	53	52	51	51	52	51	52	52	52	60	88
14	53	54	55	59	65	61	61	57	54	42	39	39	38	38	35	38	60	68	67	65	67	72	76	78	56	78
15	80	79	79	79	80	78	77	71	63	59	53	44	39	36	36	37	39	43	46	42	40	43	46	49	54	80
16	52	56	64	72	75	75	77	73	59	47	41	37	35	33	33	35	41	49	56	64	64	61	62	65	55	77
17	67	70	71	72	75	75	76	72	63	55	39	34	30	27	25	24	30	42	54	58	61	64	67	69	55	76
18	72	73	74	76	77	79	80	78	69	54	43	38	34	31	29	28	29	38	47	52	56	59	61	62	56	80
19	66	69	71	74	75	78	79	76	63	52	45	39	34	29	27	26	26	33	43	52	54	58	63	64	54	79
20	63	66	68	71	74	75	75	76	70	58	48	38	33	31	30	30	32	37	45	55	59	64	66	69	56	76
21	71	74	76	79	80	81	82	82	73	61	49	44	40	34	32	31	30	32	41	51	56	59	61	63	58	82
22	65	64	65	67	68	69	69	68	67	61	50	42	34	31	32	41	48	59	66	68	70	72	75	79	60	79
23	82	83	82	81	80	82	83	84	82	70	59	50	42	39	39	39	40	43	47	51	51	68	83	88	65	88
24	87	85	84	85	86	86	86	86	86	84	81	74	72	64	67	72	58	58	63	58	69	73	72	70	75	87
25	72	74	75	75	75	78	77	76	69	61	54	53	52	45	44	47	51	58	65	69	70	71	73	73	65	78
26	76	80	82	82	82	83	82	80	74	61	55	52	49	49	48	48	53	63	71	78	79	78	77	77	69	83
27	78	80	80	81	82	81	80	78	72	65	59	55	50	48	46	47	53	67	62	68	73	77	80	82	68	82
28	83	83	83	83	84	83	83	81	75	62	55	52	48	45	44	44	44	56	65	72	76	78	81	83	69	88
29	84	84	86	86	87	87	87	87	86	82	70	64	58	57	54	53	58	66	70	74	76	77	78	79	75	87
30	80	81	82	81	82	83	83	80	75	64	54	44	40	38	28	25	25	27	30	33	30	28	26	29	52	83
AV	67	69	71	73	74	75	76	74	69	59	50	45	41	38	36	37	39	44	50	55	58	60	63	68	59	71
SD	13	13	12	12	11	11	11	12	11	10	9	9	9	9	11	13	13	14	13	13	14	14	15	15	14	11

ABOUT (29 JAN 61)

RELATIVE HUMIDITY (C130)
PERCENT

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 6

* FINAL DATA *
* AS OF 31/MAR/A1 *

DEC. 1980

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	30	33	37	47	54	63	65	65	61	50	45	36	33	31	29	29	33	38	48	58	63	67	69	70	70	70
2	71	75	77	75	77	79	81	80	73	56	50	49	45	42	41	41	45	52	57	61	62	63	65	65	62	81
3	66	68	70	70	70	70	72	72	70	68	60	52	44	43	37	32	32	25	26	30	29	28	34	40	50	72
4	46	53	56	59	55	52	45	39	30	22	20	20	18	20	30	34	37	46	50	56	55	55	61	42	61	
5	65	60	62	65	69	70	70	72	71	63	57	61	69	74	69	75	75	78	83	88	88	87	87	87	88	88
6	87	86	86	85	85	85	84	84	84	84	80	73	67	60	57	62	62	59	66	71	73	77	80	82	76	87
7	84	85	86	86	85	84	83	83	83	82	77	69	70	71	68	73	76	75	69	61	57	59	56	58	74	86
8	57	55	53	52	55	58	59	57	53	45	37	43	45	45	44	44	47	59	69	74	73	69	70	72	56	74
9	77	78	79	78	79	79	79	79	78	71	62	54	50	45	41	37	37	45	61	68	68	72	74	74	64	78
10	77	78	79	78	79	79	79	79	78	67	59	51	45	39	38	36	38	43	52	64	70	71	73	76	68	79
11	75	77	79	81	82	80	80	80	79	63	57	48	43	41	38	34	35	40	50	62	69	72	75	76	68	82
12	78	79	80	79	81	81	83	83	83	82	78	68	52	42	36	33	34	40	49	60	68	74	77	80	65	83
13	81	82	82	84	84	84	84	83	84	79	65	52	44	39	35	30	31	38	50	59	65	68	71	75	65	84
14	76	75	78	81	81	83	84	81	82	75	63	53	43	36	34	35	39	48	57	64	68	69	69	72	64	84
15	76	75	75	78	79	79	80	80	79	60	55	47	42	38	32	31	32	41	51	60	68	73	74	77	62	84
16	81	84	85	86	89	89	89	88	84	71	59	48	42	40	40	39	42	49	59	71	78	79	82	83	69	89
17	85	87	88	88	89	89	90	89	86	74	59	54	46	41	38	38	41	49	58	67	75	78	80	81	70	90
18	83	83	84	81	82	83	82	83	83	73	61	48	39	35	34	34	35	38	43	52	60	62	65	69	62	84
19	74	76	77	79	80	82	83	87	87	72	62	49	41	36	35	34	37	42	51	65	72	75	78	81	65	87
20	83	85	86	87	89	90	90	89	89	84	69	58	54	51	48	42	43	49	58	68	76	81	83	84	72	90
21	65	66	67	67	65	66	66	68	66	74	61	51	47	40	36	35	39	46	57	65	68	69	68	68	67	88
22	67	67	69	70	74	75	76	73	76	74	63	46	38	35	37	38	40	43	47	50	53	59	55	58	58	76
23	56	64	72	70	68	67	68	68	68	70	55	44	36	30	27	25	25	37	47	53	52	55	58	62	58	88
24	65	70	73	75	76	77	79	79	78	75	71	58	45	42	44	43	42	44	47	56	66	69	71	75	63	79
25	77	79	80	79	81	81	82	83	81	78	69	53	46	42	37	33	34	36	40	45	50	54	62	65	61	83
26	67	69	72	74	77	82	88	90	90	76	67	54	42	39	37	38	44	55	67	74	76	80	80	82	65	90
27	84	86	88	90	89	90	90	90	86	74	59	49	44	42	42	45	51	58	67	74	77	79	80	80	71	90
28	81	82	81	82	85	87	86	82	87	72	60	52	49	46	45	44	47	54	66	73	78	82	84	86	70	87
29	88	89	90	91	92	92	92	92	87	75	66	54	46	42	39	37	37	43	57	69	73	75	78	80	70	92
30	83	84	85	86	88	87	88	87	86	78	64	52	47	42	39	38	39	43	51	63	71	73	77	80	64	88
31	79	82	83	84	85	87	89	90	88	77	62	48	40	39	38	36	37	42	49	62	70	75	77	80	67	90
AV	73	75	77	78	79	80	81	81	78	69	59	50	45	42	40	39	42	47	55	62	67	69	71	73	68	81
SD	13	12	11	10	10	9	10	11	12	12	11	9	9	10	10	10	11	11	10	10	11	11	11	10	11	11

SITE 11

WIND SPEED (CROSS)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONARZA, UTAH

SITE 11

JAN. 1960

AFPROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2.0	2.5	2.5	4.0	5.0	3.0	3.5	2.5	3.5	2.5	3.0	3.0	5.0	3.0	4.0	4.5	3.5	3.5	3.0	4.0	3.5	3.5	2.5	3.0	3.5	5.0
2	2.0	2.0	2.5	2.0	2.0	4.5	2.5	1.5	2.5	2.5	3.0	2.5	2.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	2.0	2.0	2.5	4.5
3	2.5	1.5	2.5	4.0	3.5	4.5	4.5	3.0	2.5	3.0	1.5	3.0	2.5	3.0	3.5	2.5	2.5	2.5	2.5	2.0	1.5	2.0	1.0	1.0	2.5	4.5
4	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.0	1.5	3.0	1.5	2.5	2.0	2.5	3.0	3.0	3.0	2.5	2.5	1.5	1.5	2.0	2.5	2.0	2.5	4.0
5	1.0	2.0	2.5	2.5	2.5	2.0	2.0	2.5	1.5	2.5	2.0	2.0	2.5	4.0	4.0	3.5	4.0	3.5	4.0	3.5	3.5	2.5	4.0	3.5	2.5	4.0
6	4.0	10.0	7.5	4.0	2.5	3.0	4.0	5.5	3.5	4.0	15.0	16.0	12.0	6.5	7.0	7.5	7.0	6.5	6.0	3.5	3.5	3.0	3.5	2.5	6.5	16.0
7	2.0	2.0	2.5	3.0	2.5	3.0	3.0	3.5	3.5	2.5	5.5	3.5	5.5	1.0	5.5	5.0	2.5	3.0	2.5	9.0	10.0	3.0	3.0	2.5	3.5	10.0
8	3.0	2.5	2.5	5.0	4.0	2.5	2.5	1.5	1.5	2.5	4.0	6.0	5.5	3.5	3.0	4.5	4.0	7.0	9.5	11.0	13.0	13.0	14.5	14.5	6.0	14.5
9	15.0	6.0	8.5	7.5	7.0	4.5	6.5	9.5	11.0	18.0	16.0	17.5	16.5	16.0	15.0	15.0	13.5	12.5	13.5	12.5	10.5	16.0	9.5	9.5	12.5	18.5
10	12.0	18.5	20.5	20.0	16.5	13.5	12.0	13.0	28.0	23.5	20.5	19.5	18.5	22.0	22.0	24.0	21.0	15.5	20.0	22.5	20.0	14.0	6.0	4.0	17.5	28.0
11	5.0	4.0	9.5	8.0	6.5	4.5	4.0	5.5	4.5	4.5	3.0	3.5	2.5	2.5	3.0	2.5	2.5	2.5	2.5	2.5	3.5	4.0	3.5	4.0	4.0	9.5
12	3.5	4.0	3.0	3.0	3.0	5.0	6.5	5.0	3.0	3.5	3.0	7.5	3.0	2.5	4.5	2.5	3.5	4.5	3.0	5.0	3.5	3.5	3.5	3.0	4.0	4.5
13	6.5	4.0	3.0	3.0	2.0	3.5	3.0	4.0	3.0	2.5	3.0	3.0	5.0	4.0	2.0	3.5	4.0	10.5	10.0	11.5	9.0	9.5	12.5	11.5	5.5	12.5
14	13.5	15.5	16.0	18.5	17.0	14.0	13.0	10.0	17.5	9.0	13.0	12.0	11.5	11.0	7.5	2.5	3.5	3.0	3.5	3.0	2.5	2.5	3.0	4.5	9.5	17.5
15	3.0	5.0	3.0	4.0	5.0	5.5	6.5	5.5	3.5	3.0	3.0	6.5	4.5	4.0	3.0	4.5	4.0	2.5	2.5	2.5	3.0	2.5	2.5	2.0	4.0	6.5
16	1.5	1.0	1.5	2.5	3.5	4.5	5.0	3.0	2.0	2.5	2.5	2.5	4.5	5.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	3.0	2.5	2.0	3.0	6.0
17	3.0	4.0	3.5	4.5	3.0	2.0	3.0	3.0	2.0	2.5	4.0	4.0	9.5	8.0	4.0	3.0	3.5	3.0	2.0	1.5	3.0	1.5	2.0	2.0	3.5	9.5
18	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
19	11.0	14.5	13.5	14.5	16.5	14.5	15.0	11.0	10.5	7.5	10.5	9.5	9.0	6.5	5.5	5.0	7.0	5.5	3.0	6.5	12.5	11.5	9.5	7.0	3.5	12.5
20	4.0	7.0	5.0	3.5	7.5	6.0	6.5	6.0	5.5	3.5	4.0	6.0	5.0	4.5	5.5	5.0	5.5	7.0	5.0	4.0	3.0	6.5	3.5	3.0	5.0	16.5
21	2.5	1.5	2.5	4.0	3.0	1.5	2.5	2.5	4.0	4.5	3.5	3.0	5.0	4.5	3.0	5.0	5.0	7.0	5.0	4.5	4.5	2.5	2.0	2.0	5.0	8.0
22	4.0	4.0	4.0	5.0	4.0	3.5	3.5	5.0	5.0	4.0	3.0	3.5	3.5	3.5	3.5	4.5	2.5	2.5	2.0	2.5	4.5	4.5	4.5	4.0	4.5	4.5
23	4.0	2.5	4.0	3.5	2.5	3.0	3.0	2.5	2.5	3.0	2.5	4.5	7.0	7.0	6.0	5.5	3.0	5.0	5.0	3.0	2.5	6.0	3.5	2.5	4.0	7.0
24	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.0	2.5	3.0	3.0	2.5	3.0	3.0	4.0	3.5	4.5	4.5	3.0	3.0	3.0	2.0	2.5	3.0	4.5
25	3.0	2.5	2.5	3.0	2.0	4.0	3.0	2.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	2.5	4.0	3.5	4.5	4.0	7.0	6.5	3.0	3.5	8.0
26	2.5	2.5	4.0	5.5	4.5	1.5	1.0	3.5	4.0	3.5	4.0	4.0	5.0	6.0	6.0	6.0	5.0	6.0	5.0	5.0	5.0	3.0	3.0	2.5	4.0	6.0
27	3.5	3.0	4.0	4.5	2.5	1.5	1.0	3.5	4.0	3.5	4.0	3.0	3.0	3.0	3.0	3.0	2.5	1.0	2.5	2.5	2.0	2.0	2.5	2.5	4.0	8.0
28	9.5	5.5	2.5	3.0	3.5	3.0	4.0	2.5	3.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.0	2.5	2.5	2.0	2.0	2.0	2.0	3.0	9.5
29	1.0	2.0	1.5	2.0	3.0	1.5	1.0	1.0	1.0	2.5	4.0	4.5	4.5	4.5	4.5	6.5	12.0	5.5	5.5	4.5	4.5	5.0	6.5	5.5	4.0	12.0
30	4.0	5.5	5.0	4.0	5.5	6.5	7.5	7.0	6.0	7.0	4.0	4.0	6.0	4.5	4.0	3.5	2.5	2.5	4.5	3.0	2.5	3.0	2.5	3.0	4.0	4.5
31	5.5	5.0	3.5	3.0	4.5	5.5	4.5	2.0	4.5	3.5	2.5	4.0	5.0	3.0	3.5	4.0	5.0	2.5	3.0	5.5	4.0	4.0	4.5	3.5	4.0	5.5
AV	4.5	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5	5.0	5.0	5.5	5.5	5.0	5.0	5.0	5.0	4.5	5.0	5.0	6.0	5.5	4.5	4.0	5.0	1.0
SD	3.5	4.5	4.5	4.0	4.0	3.5	3.5	3.0	5.0	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.5	4.5	4.5	3.5	3.0	3.0	3.0	1.0

WIND SPEED (CCP01)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

FEB. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	3.0	3.0	3.0	3.0	3.5	3.0	4.0	5.0	3.5	3.0	3.0	4.0	4.5	7.0	6.5	6.0	3.5	2.5	7.0	4.0	3.5	4.0	4.0	4.0	4.0	7.0
2	4.0	3.5	3.5	3.5	3.0	3.0	2.5	2.5	2.5	3.0	3.0	7.0	5.0	4.5	3.5	3.5	5.0	4.0	3.5	3.0	3.5	2.5	3.0	2.5	3.5	7.0
3	3.0	3.0	3.5	4.5	3.0	2.5	2.0	2.5	2.5	5.0	3.5	3.5	3.5	3.0	5.0	5.5	5.0	4.5	5.0	4.0	4.0	3.5	4.0	3.0	3.5	5.5
4	2.0	2.5	3.5	3.0	4.0	3.0	2.0	2.5	3.0	2.5	3.0	3.0	6.0	7.0	6.5	2.5	3.5	3.5	2.5	3.5	2.5	3.5	3.0	2.5	3.5	7.0
5	3.0	2.5	4.0	2.5	3.5	3.0	3.0	2.5	4.0	2.5	4.0	4.5	4.5	5.0	3.0	5.0	4.0	5.5	4.5	3.0	2.5	2.5	3.5	3.0	3.5	5.5
6	3.0	4.0	2.5	3.0	3.0	3.0	2.0	3.0	3.0	2.5	3.5	3.5	5.0	4.0	4.0	6.0	4.0	6.0	2.5	3.0	4.0	4.5	5.5	3.5	7.0	10.5
7	4.0	2.5	3.0	5.0	5.0	2.5	2.0	3.0	3.0	2.5	3.5	6.0	6.0	3.5	3.5	8.0	10.5	5.5	5.5	4.0	3.0	4.0	2.5	4.5	10.5	10.5
8	3.0	5.0	6.0	5.0	3.5	3.5	3.5	5.0	2.0	3.0	4.0	6.0	6.0	7.5	9.0	7.5	6.0	3.0	2.5	4.5	4.5	6.0	7.0	5.0	5.0	9.0
9	2.5	6.5	5.0	6.5	5.0	6.0	6.0	4.0	4.0	2.5	3.0	5.5	4.5	4.0	3.5	4.5	7.0	5.5	5.0	4.0	2.5	2.0	3.5	4.5	4.5	7.0
10	2.5	2.5	3.0	3.0	3.0	3.0	2.5	2.5	3.0	4.5	4.5	4.0	2.5	5.0	6.5	7.0	5.5	3.0	5.0	3.0	3.5	3.0	2.5	3.0	4.0	7.0
11	2.5	2.5	3.0	3.0	4.0	3.0	1.5	2.0	2.0	4.5	4.5	4.5	3.0	5.0	6.5	6.5	5.5	3.0	3.5	4.5	3.5	2.0	3.5	3.5	3.5	6.5
12	3.5	3.0	3.5	3.0	3.5	4.5	2.5	2.0	2.5	2.0	3.0	4.5	3.0	4.5	5.5	5.5	4.5	3.5	2.5	3.0	3.0	3.0	3.5	3.5	3.5	5.5
13	3.0	3.5	2.5	2.5	2.5	2.5	3.0	4.0	2.5	2.5	3.0	4.0	3.5	4.5	3.0	3.5	4.0	3.5	4.5	3.5	3.5	2.0	3.0	1.5	3.0	4.5
14	1.5	4.5	3.0	2.5	2.0	3.5	3.0	2.5	3.5	4.0	3.5	4.0	6.0	4.0	5.0	3.0	5.0	7.0	3.0	5.5	3.5	3.0	3.0	1.5	3.5	7.0
15	2.5	3.5	3.0	4.0	2.0	2.0	2.5	2.5	3.0	2.0	2.5	3.5	3.0	4.0	4.0	6.0	7.0	6.5	3.5	4.5	3.0	2.5	1.5	4.0	3.5	7.0
16	3.0	3.0	3.5	3.0	2.5	3.0	4.5	2.5	6.5	3.5	2.5	3.5	2.5	2.5	2.5	2.0	3.0	3.5	3.5	2.5	2.5	1.5	4.0	5.0	3.0	6.5
17	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
18	8.0	11.5	8.5	6.5	5.0	6.0	4.0	4.5	2.5	8.5	12.0	8.0	4.5	12.0	13.0	4.0	12.0	6.0	11.5	8.5	2.5	2.5	1.0	5.0	3.0	6.5
19	7.0	4.5	12.0	9.5	11.0	11.5	3.5	2.5	3.5	3.5	5.0	10.5	6.5	10.5	12.5	11.5	7.5	7.5	5.5	3.0	2.5	3.5	3.0	7.0	7.0	12.5
20	3.0	7.0	9.5	8.5	8.5	7.5	3.0	6.0	6.0	11.0	6.0	6.0	6.0	5.5	6.5	5.5	8.5	5.0	2.5	3.0	6.0	6.5	2.5	3.0	6.0	11.0
21	3.0	3.5	4.5	5.0	6.0	5.0	3.5	2.0	3.5	2.0	9.5	8.0	7.5	11.0	9.5	9.0	7.5	7.5	6.5	6.0	6.0	5.5	3.0	2.5	6.0	11.0
22	4.5	3.0	5.0	5.0	4.0	3.5	6.0	3.5	4.5	7.0	7.0	9.5	10.0	5.5	10.0	9.0	9.5	5.5	2.0	6.0	6.0	5.5	3.0	2.5	6.0	11.0
23	4.5	5.5	3.0	5.5	5.0	4.0	4.5	4.5	3.5	4.0	7.0	12.5	11.0	6.0	5.5	3.5	5.0	6.0	5.0	7.5	10.0	10.5	11.5	7.5	6.5	12.5
24	6.0	3.0	2.5	2.5	7.5	8.0	2.5	3.0	2.5	4.5	4.5	6.5	6.5	7.0	8.0	6.0	3.5	1.5	3.5	2.0	3.0	4.0	2.5	2.5	4.5	9.0
25	3.0	3.0	3.5	3.5	2.5	2.5	3.5	4.0	3.5	4.0	6.0	5.0	4.5	6.0	6.0	6.0	3.5	1.5	3.5	3.0	2.5	2.0	2.5	2.5	4.5	9.0
26	2.5	4.0	3.0	4.0	4.5	3.5	3.0	4.5	5.0	4.5	7.5	6.0	4.0	5.0	6.0	6.0	3.0	5.0	4.0	4.0	3.5	2.5	3.0	2.5	4.0	7.5
27	9.0	6.5	4.5	5.5	3.5	4.5	3.5	2.5	4.0	3.5	3.0	4.0	4.0	5.5	7.0	5.0	5.5	6.0	3.5	2.5	2.5	2.0	2.0	3.0	4.5	9.0
28	2.0	4.0	5.0	7.5	5.5	3.5	5.0	4.5	9.0	5.5	7.0	6.5	9.0	5.0	8.0	4.5	3.5	2.5	3.5	13.0	13.0	7.0	8.5	7.0	4.0	13.0
29	8.5	6.5	4.5	5.0	3.5	3.0	4.0	5.5	5.0	5.0	10.0	7.0	4.5	2.5	5.5	5.0	9.5	4.5	6.0	4.0	4.0	9.0	8.0	7.0	6.0	10.0
AV	3.5	4.0	4.5	4.5	4.0	4.0	3.5	3.0	3.5	4.0	5.0	5.5	5.0	5.5	6.0	5.5	5.5	5.0	4.5	4.5	4.5	4.0	4.0	3.5	4.5	7.0
SD	2.0	2.0	2.5	2.0	2.0	2.0	1.5	1.0	1.5	2.0	3.0	2.5	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.0	1.5	1.5

WIND SPEED ICC1011

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11
MAR, 1960
AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.0	5.0	8.5	7.5	9.0	7.0	4.5	4.0	4.5	7.5	11.0	8.5	9.0	6.5	5.5	5.5	5.5	2.0	2.5	2.5	3.0	3.5	5.5	5.5	5.5	6.0	11.0
2	4.0	6.5	5.0	2.5	5.0	3.0	2.5	3.0	2.5	2.5	2.5	3.0	6.0	6.5	8.5	7.0	6.0	4.0	4.0	4.0	4.0	4.0	1.5	2.0	2.0	4.0	8.5
3	2.5	4.0	2.5	3.0	5.0	3.0	4.0	4.0	2.0	3.0	4.0	11.0	18.5	22.5	14.5	14.0	11.0	3.0	4.5	5.5	8.5	10.5	9.5	8.5	7.5	22.5	
4	9.5	6.0	7.0	6.0	4.0	3.5	3.0	3.5	3.0	3.0	3.0	7.0	12.0	11.0	13.0	17.0	15.5	13.0	11.0	6.5	7.0	3.5	5.5	5.5	8.0	17.0	
5	7.5	5.5	6.0	7.0	8.0	5.5	7.0	3.5	6.0	5.5	11.5	10.0	13.5	15.5	13.5	12.0	13.5	13.0	10.0	12.5	13.5	10.0	9.0	9.5	15.0	15.5	
6	10.0	5.5	6.0	16.5	7.5	8.5	10.0	10.5	7.5	4.0	3.5	6.5	3.5	5.0	3.5	6.5	3.5	3.5	3.5	4.5	3.0	3.0	3.0	3.0	3.0	6.0	16.5
7	4.0	2.5	1.5	3.0	3.0	4.0	2.5	2.5	2.5	4.5	5.5	7.0	5.5	5.5	4.5	5.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	7.0	7.0
8	3.5	7.0	7.0	3.0	3.5	2.5	3.0	6.0	3.5	4.0	5.0	8.5	10.0	11.0	10.5	9.5	6.5	7.5	6.0	4.0	2.5	4.5	4.5	3.0	5.5	11.0	
9	3.0	3.0	3.0	6.5	9.0	10.5	10.0	8.0	4.0	6.0	9.0	10.5	11.5	12.0	10.0	10.0	9.5	9.5	4.0	5.0	7.0	6.5	7.0	6.0	7.5	12.0	
10	6.0	6.5	7.5	8.0	7.5	12.0	10.0	5.0	3.5	5.5	8.5	6.5	6.5	6.5	6.5	6.5	4.5	4.5	7.0	7.0	4.0	6.5	8.5	4.5	7.0	12.0	
11	4.0	4.5	5.5	3.5	4.5	2.5	3.0	3.0	2.5	2.5	4.5	3.0	4.5	3.0	4.0	12.0	13.5	14.5	9.0	5.5	4.0	4.0	7.0	11.0	10.5	22.5	
12	8.5	12.5	19.5	21.5	22.5	20.0	22.5	21.5	14.5	14.0	18.5	16.5	16.5	16.5	14.0	12.0	13.5	14.5	9.0	5.5	4.0	4.0	4.0	7.0	11.0	19.5	22.5
13	12.0	9.5	3.5	7.0	9.0	5.0	3.5	4.0	5.0	4.5	4.5	5.5	6.5	5.5	9.5	8.5	7.0	4.0	8.0	9.5	11.0	3.5	7.0	7.0	8.5	12.0	
14	2.5	3.0	2.5	4.0	3.5	6.5	6.5	3.5	3.0	4.0	5.5	8.5	9.5	8.5	8.0	13.5	15.0	8.5	6.0	10.0	6.5	3.5	5.5	5.5	10.0	6.5	15.0
15	11.5	12.5	11.5	9.5	3.5	2.5	8.5	6.0	4.5	3.0	8.0	11.0	12.5	7.0	10.0	10.5	10.0	7.0	12.0	4.5	4.0	8.5	18.0	16.0	9.0	14.0	
16	15.0	21.5	16.0	14.0	15.0	10.5	4.5	6.0	8.5	17.0	18.5	14.0	17.5	16.0	17.5	17.5	20.5	15.5	10.5	3.5	2.0	3.0	4.0	4.0	4.5	12.0	21.5
17	3.0	4.5	7.0	12.0	12.5	10.5	11.0	5.5	3.0	5.5	4.0	6.0	6.5	9.0	7.0	6.0	4.5	10.0	8.5	9.5	7.0	8.5	7.0	7.0	7.0	7.5	12.5
18	5.0	3.5	9.0	6.5	4.0	3.5	2.5	2.5	5.5	4.5	7.0	9.0	11.5	8.5	9.0	10.5	10.0	7.0	3.0	2.5	3.5	7.0	7.5	9.0	6.0	11.5	
19	4.0	3.0	5.5	5.0	6.0	4.5	6.0	8.0	4.0	7.5	6.0	9.0	11.0	13.5	14.5	12.5	15.5	15.0	17.5	11.5	5.0	3.5	2.5	2.0	4.0	17.5	
20	3.5	4.0	6.5	2.5	4.0	8.5	8.5	8.5	3.0	5.0	6.0	5.5	6.0	8.5	8.5	10.0	12.5	11.5	9.5	9.0	9.0	10.5	4.0	4.5	7.0	12.5	
21	9.5	8.5	3.0	4.0	4.0	3.0	4.0	3.0	7.0	6.0	4.5	12.5	15.5	12.0	17.0	10.5	22.5	16.0	12.0	4.5	4.0	9.5	11.0	10.0	10.5	22.5	
22	3.5	3.5	2.5	4.0	6.5	5.0	4.0	3.0	8.5	16.5	20.0	21.5	21.0	17.0	13.0	14.5	13.0	6.5	5.0	3.0	3.5	3.0	2.5	2.5	7.0	15.5	
23	8.5	6.0	5.5	3.5	2.5	3.0	3.0	3.5	4.5	5.5	6.0	7.0	6.0	9.5	6.5	3.0	4.5	3.0	3.0	5.0	7.5	9.0	6.0	2.0	5.5	9.5	
24	13.0	4.5	9.0	5.0	2.5	4.0	3.5	2.5	2.5	4.5	8.5	13.0	13.5	13.5	14.0	15.0	12.5	15.0	6.0	10.5	8.0	5.0	6.0	4.0	4.0	15.0	
25	2.5	2.5	3.5	2.5	2.5	3.5	3.0	3.0	3.0	4.5	6.0	3.0	6.0	3.5	3.0	1.5	2.5	3.5	5.0	5.0	3.0	5.0	3.0	5.0	3.5	6.0	
26	8.0	4.0	2.5	3.0	5.0	2.5	1.0	2.0	2.5	3.0	3.0	3.0	4.0	4.5	3.5	5.5	9.0	11.0	6.5	9.5	10.5	10.5	10.5	12.0	5.5	12.0	
27	13.0	12.0	5.0	4.5	5.5	7.5	6.5	7.0	3.5	5.0	5.0	4.5	6.5	6.5	6.5	11.0	16.0	13.5	6.0	6.5	5.0	5.5	5.0	4.5	7.5	18.0	
28	3.0	2.5	5.5	4.5	3.5	2.5	2.0	5.0	5.0	7.0	13.0	15.0	14.0	13.5	13.5	11.5	11.5	8.0	3.0	4.0	3.0	3.0	2.0	2.5	6.5	15.0	
29	5.0	3.5	2.5	3.0	3.0	2.5	2.5	3.0	4.0	4.0	5.5	6.5	9.0	6.0	5.5	5.5	5.0	2.5	5.5	8.0	10.5	10.0	9.0	6.0	5.5	10.5	
30	8.5	11.0	8.5	6.0	4.5	3.0	2.5	7.0	3.0	3.5	7.0	14.0	20.5	17.0	17.0	11.5	6.5	6.5	9.0	9.5	6.5	4.0	5.0	4.5	4.5	20.5	
31	4.5	6.5	7.0	11.0	7.0	12.0	10.0	6.0	3.5	4.5	3.0	3.5	3.5	5.5	5.0	5.5	3.0	2.5	4.0	3.0	2.0	3.0	4.0	4.0	4.5	12.0	
AV	5.5	6.5	6.0	6.5	6.0	6.0	5.5	5.5	4.5	5.5	7.0	9.0	10.0	9.5	10.0	10.0	10.0	8.5	7.0	6.5	6.0	6.5	6.5	6.0	7.0	11	
SD	3.5	4.0	4.0	4.5	4.0	4.0	4.5	3.5	2.5	3.5	4.5	4.5	5.0	4.0	4.0	4.0	5.0	4.5	4.0	3.0	3.0	3.5	3.5	3.5	2.0	11	

WIND SPEED (CROSS)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

APR, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9.0	9.0	7.5	4.5	2.0	2.5	3.0	2.5	4.0	4.0	6.0	4.5	4.0	5.0	5.0	5.0	5.0	5.0	3.0	5.0	11.5	11.5	6.5	6.5	5.5	11.5
2	5.5	4.0	4.0	5.5	6.5	7.5	8.0	4.5	5.0	8.0	11.0	11.0	9.5	7.5	10.5	7.0	8.5	7.0	5.5	3.5	3.0	5.5	6.0	6.5	6.5	11.0
3	6.5	9.0	10.5	7.0	5.5	8.0	8.0	6.0	6.0	5.5	5.0	3.5	4.5	4.5	6.5	7.5	5.0	3.0	4.0	3.0	6.0	8.0	4.0	3.5	6.0	10.5
4	3.0	4.0	3.0	4.0	3.5	3.0	3.0	4.5	4.0	5.0	5.5	5.0	4.0	4.0	4.0	6.0	7.5	6.0	7.0	6.5	12.0	11.5	9.5	5.5	5.5	12.0
5	7.0	5.5	5.0	4.0	3.5	4.0	3.5	3.5	3.5	7.5	7.0	7.5	7.0	10.0	12.0	10.5	8.5	16.5	8.5	5.5	5.5	4.5	6.0	4.0	6.5	16.5
6	8.5	10.5	9.0	9.5	6.0	5.5	6.0	4.5	4.5	4.0	6.5	18.0	16.5	18.5	20.5	25.0	24.5	23.0	16.5	9.0	4.0	10.5	8.0	4.0	11.5	25.0
7	8.5	18.5	10.0	7.0	8.5	16.0	16.5	25.0	17.5	18.5	21.5	25.0	21.0	21.5	23.5	22.5	21.0	19.5	16.0	13.0	7.0	2.0	6.0	6.0	16.5	25.5
8	10.0	6.5	5.5	6.0	18.0	4.5	2.0	2.5	5.5	5.0	5.0	6.0	9.0	10.0	8.5	8.0	6.0	3.0	2.5	4.0	8.0	6.0	6.5	5.0	6.5	18.0
9	8.0	7.0	5.0	4.0	4.5	5.5	6.0	3.5	4.0	5.0	5.0	9.0	9.0	10.0	10.5	12.5	9.0	6.5	9.5	7.0	6.0	4.0	5.0	7.0	7.0	12.5
10	4.5	3.0	2.5	5.5	8.5	9.5	15.5	19.0	20.0	13.5	16.0	20.0	29.5	31.5	30.5	28.0	27.5	20.5	15.5	7.5	6.5	10.0	4.5	4.5	15.5	31.5
11	5.5	5.0	3.0	3.0	2.5	2.5	4.0	3.5	3.0	6.0	9.0	10.5	12.5	13.5	13.0	12.0	10.5	10.5	11.5	6.5	8.0	6.0	5.5	3.0	7.0	13.5
12	3.0	4.0	3.0	2.5	3.0	2.5	3.5	2.5	4.0	4.0	6.0	5.5	6.0	5.5	9.0	10.5	8.0	9.0	9.0	7.5	5.0	6.0	4.5	4.0	5.5	10.5
13	4.0	3.5	2.5	3.0	2.5	2.5	3.0	3.5	5.5	7.0	4.0	4.0	4.5	5.5	7.5	6.0	5.5	2.5	2.5	3.0	5.5	8.5	9.5	7.0	5.0	9.5
14	9.0	6.5	6.0	7.0	6.0	7.5	7.0	5.5	3.0	4.5	5.0	3.5	5.0	3.5	7.0	9.5	5.0	3.0	2.5	4.5	10.5	11.0	10.0	8.0	6.5	11.0
15	6.0	7.0	7.5	6.0	6.0	6.5	7.0	7.0	3.0	4.0	3.5	8.0	12.0	14.5	15.5	11.0	17.0	25.5	21.0	20.0	15.5	17.0	4.0	6.5	11.0	25.5
16	5.5	6.0	6.5	8.5	9.0	8.0	9.0	6.5	4.0	4.0	4.5	6.0	5.5	9.0	11.0	8.5	6.0	6.5	4.5	4.5	7.0	8.0	7.5	7.0	7.0	11.0
17	6.5	2.5	6.5	6.0	5.5	4.5	6.0	5.0	2.5	4.0	5.5	5.5	6.0	6.5	6.0	7.0	6.5	4.0	4.0	3.5	5.0	6.5	11.5	12.0	6.0	12.0
18	5.5	5.0	4.5	4.5	6.0	6.0	6.5	5.5	3.0	4.5	5.0	6.5	9.5	6.5	10.5	8.0	9.0	7.0	5.5	7.0	10.0	14.5	13.5	13.0	7.5	14.5
19	9.5	4.0	7.5	6.5	6.0	5.5	4.0	3.5	4.5	4.5	4.5	5.0	7.5	11.0	12.0	6.5	6.0	10.5	6.0	5.5	11.0	14.0	16.5	14.5	8.0	16.5
20	8.5	4.5	5.0	4.5	4.0	3.0	3.0	3.5	4.5	3.5	4.5	6.5	8.0	11.0	11.5	9.5	11.0	8.5	7.0	8.5	12.0	14.5	13.5	14.5	7.5	14.5
21	15.0	12.0	15.0	15.0	12.5	12.0	14.0	14.0	17.0	18.5	19.0	9.0	6.0	9.5	5.0	5.0	3.5	5.5	15.0	7.0	2.0	3.0	2.5	2.5	10.0	14.5
22	2.0	3.0	4.0	3.0	3.5	2.5	4.5	4.0	4.0	5.0	6.5	7.5	9.5	7.5	10.5	8.5	14.5	13.5	17.0	7.0	2.5	3.0	2.5	2.5	6.5	17.0
23	5.0	4.5	6.5	10.0	9.5	5.5	4.0	7.0	10.5	9.5	7.5	8.0	14.0	7.5	11.5	16.5	15.0	8.5	3.0	4.0	7.0	6.0	6.0	8.0	8.0	16.5
24	9.5	3.0	3.5	3.0	3.0	2.0	3.5	3.0	6.5	6.0	6.5	6.0	6.0	7.0	5.0	4.0	8.5	12.0	6.5	4.5	6.0	5.5	3.5	3.5	5.5	12.0
25	7.5	6.0	4.5	4.5	3.0	4.5	4.5	4.5	5.5	7.0	6.0	7.5	7.0	6.0	8.5	10.5	9.5	8.5	6.0	5.5	6.5	3.5	4.0	4.0	6.0	10.5
26	2.5	8.0	2.5	5.5	4.5	4.5	3.0	4.0	4.0	5.5	5.5	6.5	6.0	5.0	5.5	5.5	6.0	5.5	5.0	3.0	5.0	6.5	9.0	4.5	4.5	6.5
27	6.0	4.0	7.0	5.0	2.5	5.0	4.5	3.0	5.0	4.5	4.5	6.0	7.5	6.0	8.5	7.0	7.5	7.0	4.5	3.0	6.5	5.5	5.5	6.0	5.5	6.5
28	6.5	7.0	9.5	11.5	10.5	3.5	3.5	3.0	5.0	5.0	6.5	7.5	9.0	11.5	17.5	13.0	7.0	4.5	2.5	4.5	9.5	9.5	7.0	4.0	7.5	17.5
29	5.5	5.5	4.0	3.5	5.0	5.0	4.0	3.5	5.5	5.5	6.0	12.0	15.0	16.5	12.0	16.0	14.0	8.0	9.5	9.5	4.0	6.0	7.0	5.5	8.0	16.5
30	6.5	5.0	3.0	2.5	2.5	1.5	2.0	2.5	2.5	9.5	8.0	7.0	9.0	8.5	5.5	7.0	4.5	3.0	7.0	7.0	7.5	8.5	9.0	8.5	5.5	9.5
AV	6.5	6.0	6.0	5.5	6.0	5.5	6.0	6.0	6.0	6.5	7.0	6.5	9.5	10.0	11.0	10.5	10.0	9.0	8.5	7.0	7.5	8.0	7.5	6.5	7.5	11
SD	2.5	3.5	3.0	3.0	3.5	3.0	3.5	5.0	4.0	3.5	4.0	5.0	5.5	5.5	5.5	6.0	6.0	6.5	6.0	4.0	3.0	3.5	3.0	3.0	3.0	11

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 11

MAY, 1980

AERONVIRONMENT INC.

FINAL DATA
AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.0	6.5	4.0	4.0	6.0	3.5	2.0	3.5	6.5	6.0	6.0	8.0	10.0	8.0	6.0	6.5	8.5	4.5	5.0	7.5	4.5	5.5	6.5	4.0	6.0	10.0	
2	3.5	2.5	4.0	4.0	7.0	2.5	3.5	3.0	5.0	4.0	5.5	4.5	18.5	14.5	12.0	11.5	9.5	7.0	5.5	3.5	5.5	9.0	10.5	12.0	7.0	18.5	
3	9.0	9.5	6.0	4.0	4.5	4.0	3.0	3.5	2.5	5.0	5.0	6.0	6.0	6.0	9.5	6.0	7.0	11.0	7.0	9.5	12.0	9.0	6.0	5.0	6.5	12.0	
4	4.5	8.0	4.5	2.5	2.5	2.5	2.0	3.5	4.0	4.0	5.0	5.0	9.0	8.5	11.5	10.0	8.5	10.0	10.5	13.5	6.5	11.0	9.0	15.0	7.0	15.0	
5	14.5	5.5	4.5	2.5	4.0	4.5	6.5	4.0	3.5	5.0	4.5	3.5	5.0	7.0	12.5	10.0	6.0	8.5	2.5	5.0	6.0	4.5	4.0	5.5	14.5	4.0	
6	4.0	3.5	6.0	8.0	6.0	3.0	3.5	4.0	4.0	3.5	4.0	6.0	7.5	12.5	10.0	14.0	15.0	10.5	8.5	7.0	4.0	5.5	6.5	5.0	7.0	15.0	
7	3.0	2.5	2.5	2.5	3.0	2.5	3.5	1.5	3.5	3.0	8.0	12.5	17.5	15.0	11.0	9.0	10.0	7.5	9.5	5.5	3.0	3.0	4.0	6.0	6.5	17.5	
8	6.5	4.0	5.5	3.5	3.0	2.5	2.5	3.0	3.0	4.5	4.0	8.5	6.0	7.5	4.0	5.0	8.0	7.5	12.0	15.0	13.5	10.5	15.0	5.0	6.5	15.0	
9	3.5	6.5	7.0	3.5	5.0	3.0	3.0	3.5	7.5	13.5	14.5	18.0	12.5	18.0	16.0	11.0	9.5	3.5	3.5	4.0	3.5	5.5	5.0	3.0	7.5	18.0	
10	2.0	3.0	5.0	8.5	9.0	7.0	3.0	2.5	5.0	15.0	12.5	13.5	20.0	19.0	20.0	21.5	19.5	15.0	15.0	11.0	8.5	4.5	5.5	7.5	10.5	21.5	
11	4.0	3.5	6.5	3.5	7.5	8.5	5.5	3.0	3.0	4.5	5.0	5.0	3.5	7.0	14.0	13.0	7.0	13.0	5.5	7.5	6.0	13.0	5.5	3.0	6.5	14.0	
12	9.0	8.0	10.5	9.5	6.0	3.0	6.0	9.0	10.5	7.0	9.0	10.0	8.5	8.5	9.5	9.0	7.0	8.0	6.0	5.5	7.0	6.0	5.0	5.0	7.5	10.5	
13	9.5	5.0	4.5	5.0	3.5	6.0	2.5	4.5	6.5	6.0	5.5	8.0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	5.5	9.5
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
AV	6.0	5.0	5.5	4.5	5.0	4.0	3.5	3.5	5.0	6.5	7.0	6.5	10.0	11.0	11.0	10.0	9.5	9.0	8.0	8.0	6.5	7.0	6.5	4.0	7.0	()	
SD	3.5	2.0	2.0	2.5	2.0	2.0	1.5	1.5	2.0	3.5	3.0	4.0	5.0	4.0	4.0	4.5	3.5	3.0	3.0	4.0	3.0	3.0	5.5	3.5	1.0	()	

ABOUT (29 JAN 81)

WIND SPEED (CC8011

MILES/HOUR

LEVEL HEIGHT 3 10 METERS

WHITE RIVER SMALE PROJECT, #139

BONANZA, UTAH

SITE 11

JUN. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2.5	5.0	6.0	5.5	6.0	8.5	9.0	3.5	5.5	6.0	10.0	11.0	13.5	9.5	12.5	9.0	8.0	8.0	14.5	8.5	8.0	7.0	5.0	9.5	8.0	14.5
2	13.0	12.0	9.0	2.5	3.5	3.0	3.0	8.0	13.0	14.0	11.5	12.0	11.5	16.5	15.5	16.0	16.0	16.0	16.0	13.0	7.5	7.5	11.5	12.0	11.0	16.5
3	9.5	11.0	10.0	6.5	10.0	9.0	8.5	12.0	16.0	16.0	18.5	17.5	18.0	17.5	15.0	17.0	15.0	15.0	11.5	9.5	7.0	8.0	9.0	13.5	12.5	14.5
4	13.0	11.0	10.5	9.5	7.0	7.5	5.0	10.5	14.5	17.5	18.5	16.0	17.5	15.0	13.5	12.0	11.5	12.0	15.0	12.0	11.5	13.5	11.0	8.0	12.0	14.5
5	7.0	6.0	4.0	6.0	6.5	6.5	6.0	5.5	5.0	6.0	13.5	16.5	17.5	13.5	12.0	13.5	14.0	14.0	14.5	14.5	12.0	11.0	10.0	10.0	10.5	17.5
6	7.0	6.5	4.5	8.5	11.5	12.5	11.5	8.0	11.0	12.0	13.0	14.0	13.5	13.5	13.5	12.5	14.5	24.5	20.0	19.5	12.0	8.5	6.0	5.0	12.0	24.5
7	3.0	3.5	5.0	5.0	6.0	3.0	2.5	3.5	4.0	7.5	7.5	5.5	5.5	8.0	9.0	7.5	7.5	7.0	6.5	3.5	3.5	6.0	12.5	7.0	6.0	12.5
8	6.5	3.0	4.0	3.5	4.0	5.0	5.0	3.5	4.5	5.0	5.0	5.5	5.0	8.0	8.5	9.5	7.5	9.5	7.5	3.5	5.0	6.0	5.0	4.0	9.5	9.5
9	4.0	2.5	4.5	6.0	7.5	7.0	7.5	7.0	4.5	5.0	5.5	6.0	6.0	8.5	8.5	8.5	7.0	5.0	5.5	3.5	4.5	10.0	10.0	12.0	6.5	12.0
10	6.5	5.5	4.5	5.0	5.0	5.5	5.0	3.5	4.0	5.0	6.0	6.5	20.5	14.5	14.5	13.5	10.0	11.0	9.0	8.0	9.0	9.5	8.5	8.5	6.5	20.5
11	7.5	5.0	6.5	4.5	3.5	3.0	3.0	3.0	5.0	11.5	15.5	22.0	17.5	17.0	16.0	12.0	11.5	12.5	12.0	10.0	14.5	13.0	11.5	12.0	10.5	22.0
12	11.5	10.0	8.0	5.0	9.0	4.5	8.0	10.5	8.0	12.0	13.5	12.5	14.5	13.5	14.5	15.0	16.0	14.5	14.0	9.5	10.5	8.0	3.0	3.5	10.5	16.0
13	4.5	9.5	13.5	11.5	8.5	9.5	4.5	3.0	6.5	8.5	18.0	16.0	16.0	16.5	14.0	13.5	13.0	13.5	10.0	9.5	9.5	13.5	10.5	8.0	11.0	14.0
14	10.5	9.5	5.5	9.5	9.0	8.5	9.5	5.5	8.5	11.5	14.5	13.0	13.5	12.5	13.0	11.5	10.0	15.0	17.0	22.0	26.0	17.5	11.5	8.5	12.0	24.0
15	6.5	3.0	3.5	5.5	6.5	6.0	5.5	4.0	5.5	7.5	11.5	10.5	11.5	12.5	15.0	16.5	15.0	13.0	13.0	10.5	9.0	9.5	3.0	3.0	8.5	14.5
16	5.5	5.5	3.0	3.5	3.0	2.5	4.0	8.0	5.5	2.5	5.5	6.5	8.5	9.0	8.0	9.5	6.5	5.5	4.0	2.5	5.0	5.0	7.5	8.0	6.0	9.5
17	8.5	4.5	5.0	5.5	6.0	4.0	5.0	3.5	5.0	4.0	5.5	5.5	8.5	10.5	8.5	7.5	8.0	4.0	2.5	1.5	3.5	10.0	11.5	11.0	6.0	11.5
18	11.5	7.0	4.0	4.0	6.0	5.0	5.0	3.0	5.5	6.5	9.5	11.0	8.0	6.0	8.0	8.5	8.0	8.5	9.5	4.5	11.0	11.0	8.0	5.5	7.0	11.5
19	6.0	3.5	4.0	5.5	9.0	11.0	10.5	8.0	15.0	6.0	5.0	10.0	14.5	19.5	17.5	12.5	8.5	6.5	3.5	2.5	9.5	8.0	7.0	5.5	8.5	19.5
20	6.0	5.5	6.5	3.5	3.5	3.5	3.5	3.5	3.5	5.0	6.0	5.5	6.5	9.0	10.5	10.0	12.0	9.0	11.0	11.5	12.5	12.5	7.0	7.5	7.0	12.5
21	6.0	6.5	3.5	5.0	6.5	4.0	6.0	4.0	4.0	5.5	6.0	9.5	11.0	12.5	12.5	15.0	9.5	13.0	6.0	4.0	5.5	9.5	6.5	6.0	7.5	15.0
22	7.0	4.0	4.0	4.0	3.5	4.0	5.0	5.0	3.5	5.5	7.5	9.5	7.5	10.5	13.0	9.0	9.0	8.5	7.0	10.5	8.0	11.0	10.0	12.0	7.5	13.0
23	15.0	13.0	12.0	8.5	12.5	14.5	14.5	19.5	17.0	19.5	18.5	18.5	14.0	15.0	14.5	16.0	14.0	14.0	14.5	11.5	10.5	9.5	4.5	2.5	13.5	19.5
24	9.0	8.5	9.5	6.5	5.0	5.0	5.0	4.0	7.0	5.0	6.0	12.5	14.5	12.5	11.0	11.0	10.0	10.0	10.5	8.5	13.5	11.5	12.5	12.5	9.5	14.5
25	8.5	12.5	9.5	4.5	4.0	2.5	2.5	2.0	4.5	8.5	11.5	15.5	17.0	12.0	12.5	13.5	15.0	15.5	16.0	13.5	10.0	9.5	8.5	11.5	10.0	17.0
26	12.0	10.0	14.0	5.0	2.0	7.0	6.0	4.5	12.0	18.5	18.0	15.5	13.5	13.5	13.0	11.0	11.5	12.0	13.5	13.0	13.0	13.0	7.5	11.0	11.0	20.0
27	18.5	18.5	11.5	8.0	9.0	11.5	12.0	8.5	6.0	8.5	7.5	11.0	14.0	19.5	17.0	18.5	20.0	20.0	18.0	13.5	7.0	4.5	2.5	5.0	12.0	20.0
28	8.5	8.5	8.0	7.5	6.0	7.5	7.0	4.5	7.0	3.5	5.0	6.0	8.0	10.5	8.0	10.0	6.5	5.0	3.0	4.0	7.0	8.5	9.5	5.0	6.5	10.5
29	6.5	4.0	2.5	3.5	8.0	12.0	10.5	8.0	6.0	8.0	13.0	16.5	11.0	9.5	9.5	11.0	20.5	8.0	3.5	3.5	10.0	9.0	6.5	6.0	8.5	20.5
30	4.5	6.0	4.5	3.0	2.5	5.5	7.0	4.0	5.5	12.0	9.0	12.5	11.0	7.0	6.0	7.0	8.5	9.0	7.0	4.5	14.5	5.5	9.5	3.0	7.0	14.5
AV	8.0	7.0	7.0	6.0	6.5	6.5	6.5	6.0	7.5	8.5	10.5	11.5	12.5	12.5	12.0	11.0	11.5	10.5	10.5	9.0	10.0	9.5	8.0	8.0	9.0	11.0
SD	3.5	3.5	3.5	2.0	2.5	3.0	3.0	3.0	4.0	4.5	4.5	4.5	4.0	3.5	3.0	3.0	3.5	5.0	4.5	5.0	4.5	3.0	3.0	3.0	2.5	1.1

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

JUL, 1960

AEROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.0	3.0	7.5	7.5	6.5	3.0	3.0	7.0	6.0	8.0	9.0	3.0	5.0	7.0	12.0	15.0	7.0	14.0	14.5	13.5	7.0	10.0	6.5	6.5	6.5	7.5	15.0
2	8.5	3.5	2.5	3.5	6.0	4.5	5.0	5.0	3.0	3.0	4.0	5.0	14.0	9.5	6.0	6.0	3.5	4.5	12.0	12.5	12.5	13.0	13.0	13.0	13.0	7.5	15.0
3	13.0	11.5	5.5	7.5	3.5	2.5	3.0	3.5	5.0	7.5	6.5	6.5	6.0	2.5	7.0	8.5	6.0	8.0	5.0	4.0	7.0	7.0	3.5	6.0	6.0	6.0	13.0
4	8.0	4.0	7.0	12.0	5.0	5.5	10.0	3.5	6.5	4.5	6.5	7.0	12.5	9.5	5.0	8.5	8.0	5.0	6.5	4.5	6.0	11.0	13.5	10.5	7.5	13.5	
5	10.5	8.0	3.0	3.0	3.0	6.0	4.5	3.0	4.0	5.0	6.0	5.5	10.0	13.0	15.0	13.5	9.0	9.0	6.0	6.0	11.0	13.0	15.0	8.0	4.5	15.0	
6	11.0	8.0	4.5	3.0	3.0	6.0	4.0	5.0	4.0	3.0	6.0	10.0	16.5	18.5	14.0	12.5	13.0	13.0	12.5	11.5	5.5	5.0	4.5	5.5	7.0	13.0	
7	11.0	9.0	9.0	6.5	3.0	7.0	4.0	5.5	6.5	8.5	8.5	9.0	8.5	6.5	10.0	12.0	13.0	18.5	20.5	5.5	11.0	7.0	3.5	3.0	4.5	18.5	
8	11.0	9.0	9.0	6.5	3.0	7.0	4.0	5.5	6.5	8.5	8.5	9.0	8.5	6.5	10.0	12.0	13.0	18.5	20.5	5.5	11.0	7.0	3.5	3.0	4.5	20.5	
9	3.5	3.5	5.0	5.0	3.5	3.5	3.0	4.0	5.5	5.5	6.5	7.0	9.5	10.0	8.5	5.5	6.0	5.5	6.0	5.0	5.5	9.0	7.0	3.0	6.0	10.0	
10	4.0	3.0	2.5	2.5	3.5	5.5	6.5	4.0	4.0	4.0	7.0	7.0	9.5	12.0	8.5	11.0	12.5	13.0	10.5	9.5	9.5	6.5	5.5	4.5	7.0	13.0	
11	3.0	3.0	2.5	5.5	7.0	5.0	4.0	2.5	4.0	5.0	7.0	10.0	8.5	11.0	15.5	17.5	9.0	7.5	6.0	4.0	2.5	7.0	10.0	12.0	7.0	17.5	
12	13.0	3.0	4.0	5.5	6.5	9.5	12.0	14.0	13.5	7.0	10.0	11.5	5.5	16.5	15.5	10.5	17.5	9.5	3.0	3.5	15.0	16.0	9.0	4.5	10.0	17.5	
13	2.5	5.5	6.5	5.5	4.5	8.5	10.5	8.5	10.5	9.5	10.5	6.0	6.0	12.5	18.0	15.0	16.5	11.0	5.5	11.5	13.0	12.0	6.0	6.0	9.5	18.0	
14	5.5	3.0	3.5	5.5	7.0	6.0	7.0	7.5	6.5	9.5	8.5	8.0	10.0	14.0	12.5	15.5	11.5	10.5	7.5	8.0	11.5	10.0	5.5	4.5	4.5	15.5	
15	5.5	9.0	8.5	5.0	5.5	3.0	3.0	2.5	4.0	4.0	8.0	11.0	13.5	14.5	18.0	15.5	17.5	16.5	15.0	13.0	19.5	6.5	5.0	5.0	9.5	19.5	
16	6.5	7.5	7.0	6.0	5.5	6.0	2.5	3.5	5.0	6.5	6.0	6.5	9.5	10.5	7.0	9.0	8.0	5.5	3.0	3.0	5.0	10.0	10.0	5.0	6.5	10.5	
17	9.0	6.5	8.0	5.0	6.5	4.5	3.5	3.0	5.0	6.0	10.0	8.5	11.5	11.0	8.5	9.5	14.5	16.0	14.0	15.0	10.5	8.0	6.0	4.0	4.5	16.0	
18	6.5	5.0	4.0	4.0	3.0	6.5	3.0	5.5	5.0	4.0	4.0	8.5	10.0	14.5	9.0	8.5	9.0	6.5	6.0	6.0	4.0	10.5	8.0	5.5	6.5	14.5	
19	8.5	6.5	4.0	3.0	3.5	6.0	6.0	4.0	8.5	9.0	11.0	11.5	11.5	11.0	11.5	13.5	14.5	14.5	16.0	18.5	12.5	9.0	7.0	5.0	9.5	18.5	
20	3.5	4.5	2.5	3.5	4.0	3.0	3.0	5.0	7.0	4.5	4.5	5.0	8.0	9.5	11.5	12.5	10.0	7.0	4.5	3.5	3.0	3.5	3.0	2.5	5.5	12.5	
21	7.0	3.5	4.5	5.0	3.0	3.0	2.5	7.0	7.5	7.0	7.5	7.0	7.0	10.5	14.0	14.0	11.5	9.5	6.5	2.0	2.5	6.5	7.0	5.0	6.5	18.0	
22	9.0	12.0	10.5	9.0	4.0	5.5	3.5	3.0	4.5	7.5	6.5	10.0	12.5	14.5	14.5	15.5	13.0	12.0	10.0	6.0	6.0	6.5	4.5	4.5	4.5	15.5	
23	10.0	7.5	5.5	2.5	2.5	4.0	8.5	4.0	3.5	5.5	7.0	8.5	10.0	13.0	14.0	10.5	6.5	13.5	15.0	17.0	10.0	4.5	3.0	3.0	6.5	16.5	
24	5.0	6.5	8.0	7.0	4.5	5.0	7.0	6.0	5.5	4.5	7.0	8.5	10.0	13.0	14.0	10.5	6.5	13.5	15.0	17.0	10.0	4.5	3.0	3.0	6.5	17.0	
25	3.0	3.5	4.5	5.0	4.5	5.0	7.0	6.0	5.5	7.5	6.5	8.0	9.5	12.0	11.0	11.0	6.0	5.0	7.0	6.5	7.0	7.0	4.5	3.5	6.5	12.0	
26	6.5	10.0	8.0	5.0	5.0	4.0	3.5	2.5	3.5	6.5	4.0	5.0	8.5	9.5	8.0	14.5	8.0	7.0	6.5	11.5	12.0	9.0	8.5	7.5	7.5	14.5	
27	7.0	6.0	4.5	3.0	6.0	6.0	4.5	4.5	3.5	5.0	5.0	6.5	7.5	6.5	7.5	5.0	9.0	7.0	3.5	3.0	3.0	6.0	8.0	7.5	5.5	9.0	
28	5.5	7.5	6.0	4.0	5.0	5.0	9.0	5.0	7.5	5.5	6.5	6.5	7.5	11.5	13.0	7.5	9.0	4.0	3.5	4.5	4.5	12.0	10.0	12.5	7.5	14.0	
29	5.0	3.5	4.0	3.5	6.0	7.5	10.0	4.5	6.0	9.5	10.5	12.0	16.0	15.0	6.0	13.5	13.5	8.5	4.5	5.5	4.0	6.0	8.0	4.0	4.5	18.0	
30	5.5	3.5	3.5	6.0	5.0	6.0	6.5	4.0	5.0	4.5	8.0	11.0	10.5	13.0	12.5	12.5	10.0	11.0	6.5	5.0	4.0	3.5	6.5	4.0	7.0	13.0	
31	3.0	5.0	5.0	7.5	7.5	8.0	6.5	5.0	4.0	4.5	5.5	5.0	6.0	5.0	6.5	5.0	10.5	14.0	13.5	12.0	10.0	3.0	3.0	3.0	5.5	6.5	14.0
AV	7.0	6.0	5.5	5.5	5.0	5.5	5.5	5.0	5.5	6.0	7.0	6.0	9.5	11.0	11.5	11.0	10.5	10.0	9.0	8.0	4.0	8.0	7.5	6.5	7.5	11.0	
SD	3.0	2.5	2.0	2.0	2.0	1.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.5	3.5	3.5	3.5	4.0	4.5	4.5	4.0	3.5	3.5	3.0	1.0	1.0	

WIND SPEED (CC101)

MILES/HOUR

LFVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

AUG. 1960

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.5	3.0	3.5	6.0	9.0	9.5	5.5	5.0	6.0	2.5	6.0	7.5	9.5	13.5	9.0	8.0	12.5	15.0	3.0	4.0	9.5	11.0	7.0	5.5	7.0	15.0	
2	7.0	4.5	5.0	4.0	4.5	4.5	2.5	2.5	4.0	5.0	6.0	9.5	11.5	10.5	9.5	10.5	10.0	12.5	16.0	10.5	8.0	9.5	11.0	7.0	2.5	4.0	
3	3.5	7.0	6.5	6.5	7.5	6.5	3.0	3.0	3.0	4.5	8.5	16.0	23.0	22.5	25.5	27.5	30.5	30.5	28.0	17.5	14.0	12.5	7.5	10.0	14.0	30.5	
4	6.5	3.5	5.5	6.5	2.5	3.0	3.0	4.5	6.0	9.5	9.5	12.5	15.0	13.5	12.0	10.5	11.0	17.5	18.0	16.0	8.5	5.0	8.0	6.5	9.0	18.0	
5	7.0	8.5	7.0	7.5	5.0	3.0	4.5	3.5	7.5	6.5	9.0	10.0	11.0	7.0	5.0	10.5	13.0	10.0	8.0	6.0	8.5	12.5	13.5	10.5	8.0	13.5	
6	8.0	12.5	5.5	5.5	6.0	5.5	5.0	3.5	5.5	13.0	6.5	7.0	9.5	12.5	11.5	10.0	8.0	8.0	7.0	7.0	5.0	6.5	10.0	4.5	8.0	13.0	
7	3.5	4.0	3.5	7.0	2.5	3.0	5.5	3.0	5.0	7.0	7.0	8.0	9.0	9.0	9.5	7.5	6.0	4.0	4.0	7.0	5.5	9.5	4.5	7.0	6.0	10.5	
8	7.5	5.5	3.5	3.5	5.5	6.5	4.0	4.0	5.5	5.5	7.0	7.0	12.5	13.0	13.0	8.0	8.5	5.5	6.0	3.0	3.0	4.0	7.5	5.5	6.5	13.0	
9	12.5	16.0	7.0	5.0	4.5	2.5	6.0	8.5	6.0	9.5	12.0	12.5	15.5	10.0	10.0	20.5	16.0	15.0	6.5	3.5	3.0	2.5	9.5	6.5	9.5	20.5	
10	5.5	2.5	9.0	4.0	2.5	4.0	5.0	5.0	4.0	3.5	5.5	11.5	15.0	15.0	16.5	18.0	15.0	16.5	15.5	13.5	11.5	7.0	5.0	6.0	9.0	18.0	
11	3.5	3.0	3.5	2.5	3.5	3.0	2.5	3.5	5.5	6.5	4.5	5.0	6.5	6.0	6.5	7.5	6.0	7.0	4.5	3.0	4.5	12.0	10.5	13.5	5.5	13.5	
12	9.0	8.5	5.0	5.0	4.5	2.5	2.5	4.5	8.5	9.5	10.0	11.5	13.0	12.5	7.0	8.5	15.0	8.5	12.0	13.0	16.0	18.0	16.0	5.0	9.5	18.0	
13	3.0	2.0	5.0	11.0	9.5	9.0	4.0	3.0	3.5	5.5	8.5	9.5	10.5	10.0	15.5	13.5	16.0	7.5	13.0	7.0	10.0	14.0	6.5	6.5	8.5	16.0	
14	6.0	5.0	3.0	4.0	4.0	4.0	5.0	5.0	4.0	6.0	5.5	9.5	7.5	11.5	15.0	11.0	7.5	6.0	15.0	12.5	8.5	5.5	6.0	6.0	7.0	15.0	
15	7.0	3.0	7.0	13.0	12.5	10.5	8.0	6.5	5.0	7.0	6.5	9.5	14.5	16.0	15.5	19.0	20.0	14.5	6.0	11.5	13.0	11.0	9.0	6.0	10.5	20.0	
16	6.0	5.5	4.0	7.0	9.5	5.5	9.0	8.5	4.0	7.0	9.5	10.5	11.5	9.0	11.5	10.5	7.5	4.5	4.0	3.5	5.5	9.5	5.0	7.0	11.5	7.0	
17	5.0	9.5	12.0	8.0	3.5	3.0	4.0	3.0	2.5	4.0	4.5	5.0	6.0	8.0	10.5	9.0	14.0	7.0	8.0	5.0	4.0	8.0	5.5	5.0	6.5	18.0	
18	9.0	4.0	6.5	6.0	5.0	2.0	2.5	3.0	5.5	10.5	11.5	14.0	14.5	12.5	18.0	15.5	14.0	11.5	12.0	12.5	12.5	10.5	10.5	10.0	9.5	18.0	
19	11.5	9.5	10.0	13.0	10.0	21.0	12.0	12.0	11.5	13.0	11.0	14.5	16.5	23.0	25.5	11.5	24.5	7.0	5.0	5.0	5.0	12.5	11.0	7.0	5.0	13.0	25.5
20	2.0	3.5	5.0	7.0	7.0	7.5	6.0	5.0	5.0	17.0	5.5	8.5	8.5	11.0	8.0	7.5	4.5	4.0	4.0	4.0	4.5	8.0	4.0	6.5	7.5	6.5	17.0
21	7.5	4.5	9.0	6.0	4.0	6.5	3.5	3.0	5.5	5.5	5.5	7.0	6.5	7.5	7.5	9.0	6.0	4.0	3.0	8.0	12.0	13.5	15.5	9.5	7.0	15.5	
22	11.0	4.5	5.0	5.0	4.0	4.0	3.0	2.5	3.5	4.5	5.0	4.5	12.0	13.5	16.5	11.5	11.5	10.5	11.0	7.5	8.5	8.0	8.0	7.0	7.5	16.5	
23	10.0	12.5	10.5	9.5	8.0	6.0	2.5	6.0	9.0	9.5	10.0	9.0	15.5	17.0	20.0	11.5	10.0	9.5	19.0	16.0	21.5	20.0	16.5	8.0	12.0	21.5	
24	2.5	4.5	3.0	4.5	11.5	12.5	5.0	2.0	3.5	5.5	6.0	7.5	7.5	5.5	8.5	7.0	7.5	7.0	12.0	5.5	4.0	8.5	16.5	11.0	7.0	16.5	
25	4.5	3.0	7.0	12.5	9.5	5.5	7.5	8.0	7.0	3.5	6.0	14.0	8.0	6.5	8.0	13.0	19.5	6.5	3.5	4.0	5.0	7.5	6.0	3.5	7.5	19.5	
26	5.0	3.0	4.0	3.5	4.5	9.5	10.0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	10.0
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	10.0
28	9.0	6.5	3.5	5.5	3.0	3.0	3.0	3.5	4.5	5.5	6.0	12.0	12.0	12.0	11.5	12.0	10.5	11.5	14.0	14.0	14.0	12.5	10.0	7.0	12.5	9.0	14.0
29	11.0	8.5	11.0	11.0	6.0	8.0	13.5	12.5	7.5	7.5	8.0	8.5	13.0	14.5	10.0	13.0	10.5	8.5	9.5	7.0	6.5	8.5	12.0	10.0	10.0	14.5	
30	6.0	4.5	7.0	3.0	3.0	2.5	5.5	3.5	4.5	3.5	5.0	10.0	6.5	7.0	16.0	15.0	14.0	23.0	20.5	11.0	5.0	4.0	4.0	4.0	4.0	4.0	13.0
31	4.5	5.0	7.0	4.0	3.5	3.0	3.5	3.5	4.5	3.5	5.5	8.0	11.0	12.5	12.5	10.0	5.5	4.0	4.5	4.5	4.0	5.0	3.5	5.5	6.5	17.5	
AV	6.5	6.0	6.0	6.5	6.0	5.5	5.5	5.0	5.5	7.0	7.0	9.5	11.5	11.5	12.5	12.0	12.0	11.0	10.0	8.5	9.0	9.0	8.5	7.5	8.0	11.0	
SD	3.0	3.5	2.5	3.0	3.0	3.0	4.0	2.5	2.0	3.5	2.5	3.5	4.0	4.5	5.0	4.5	5.0	6.5	6.0	4.5	4.0	4.0	4.0	2.5	2.0	1.0	

WIND SPEED (CROSS)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, B139
 BONANZA, UTAH
 SITE 11
 SEP. 1980
 AFROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK		
1	3.5	4.5	5.0	4.0	3.0	4.5	4.0	3.5	4.0	4.5	4.0	9.5	8.0	7.0	5.5	5.5	4.5	3.0	2.5	4.5	5.0	6.5	5.5	6.0	5.0	9.5	
2	7.0	5.5	5.5	5.0	6.5	4.5	4.0	3.0	4.5	4.5	8.0	10.5	9.0	10.0	11.5	10.5	11.5	6.5	7.0	12.0	14.0	12.5	6.0	8.5	8.0	19.0	
3	16.0	14.0	5.0	3.0	4.0	4.0	3.0	4.5	5.0	8.5	5.5	8.5	9.5	10.5	17.0	13.5	14.5	12.5	10.5	6.0	3.0	4.5	8.0	6.5	8.0	17.0	
4	3.5	6.5	9.0	5.5	6.0	4.5	3.5	3.5	3.5	3.5	4.5	6.0	7.0	8.5	6.0	6.0	3.0	2.5	3.0	5.0	10.5	8.0	9.0	4.0	5.5	10.5	
5	6.0	6.5	3.0	4.0	6.0	3.5	3.5	3.0	3.5	4.0	13.0	4.0	5.0	6.0	9.0	9.0	7.0	7.5	4.5	3.0	8.5	11.0	9.0	13.0	6.5	13.0	
6	7.5	5.0	5.0	7.5	5.5	7.5	8.5	7.5	9.5	7.5	8.0	7.0	6.5	9.0	14.0	14.5	8.5	7.5	2.5	5.5	8.5	11.5	10.0	13.0	8.0	19.5	
7	7.5	7.0	3.0	2.5	3.0	2.5	2.0	4.0	8.5	10.5	5.0	6.0	4.0	4.0	4.5	4.0	9.0	5.5	3.5	5.5	7.5	4.5	5.0	5.0	5.5	10.5	
8	13.5	4.5	5.5	6.0	7.0	4.5	5.0	6.5	12.5	9.0	4.5	3.0	4.0	4.5	4.0	2.5	3.0	2.5	3.0	3.0	3.0	2.5	3.0	4.0	5.0	13.5	
9	3.5	3.0	2.5	3.0	5.5	3.0	3.0	3.0	6.0	6.0	3.0	3.5	4.0	3.5	4.5	4.0	4.0	4.5	9.0	6.0	5.0	4.0	3.0	3.5	4.5	9.0	
10	3.0	2.0	2.0	3.5	3.0	3.0	2.5	2.5	4.0	5.5	14.5	4.5	4.5	5.0	6.0	4.5	4.0	7.0	7.0	5.0	9.0	5.0	4.0	3.0	5.0	10.5	
11	2.5	3.0	5.0	2.0	2.5	3.5	6.0	7.0	5.5	11.5	11.0	10.5	12.0	11.0	11.5	11.0	12.5	7.0	5.0	7.0	4.5	4.0	5.0	6.0	7.0	12.5	
12	5.5	5.5	4.0	4.0	3.0	3.5	5.0	8.0	5.5	7.5	3.5	4.0	6.0	6.5	5.5	5.0	11.5	4.0	8.5	7.5	7.5	11.5	7.0	5.5	6.0	11.5	
13	6.5	7.0	3.5	5.5	3.5	2.5	3.0	2.0	3.0	4.0	4.5	10.5	15.0	14.0	14.0	12.5	11.5	8.5	10.0	9.5	6.5	9.5	13.0	12.0	8.0	16.5	
14	8.5	4.0	5.5	6.0	7.0	4.5	7.0	4.0	8.0	9.5	12.0	10.0	10.5	10.5	11.5	7.0	7.0	4.0	2.5	4.5	6.5	3.0	5.5	8.0	7.0	12.0	
15	6.5	4.0	2.5	4.0	3.0	2.5	3.0	3.5	3.0	5.0	8.5	9.5	12.0	12.5	14.0	9.0	8.0	6.0	7.0	6.0	8.5	8.5	9.0	5.5	7.0	14.0	
16	6.5	4.5	2.5	2.0	3.5	3.0	4.0	3.5	6.0	15.5	20.0	17.5	18.5	16.5	17.0	15.5	19.5	12.0	14.0	13.0	8.0	8.0	4.0	4.0	10.5	20.0	
17	6.0	7.5	10.0	10.0	6.5	6.0	6.5	6.0	3.5	8.0	9.5	20.0	10.0	11.5	8.5	5.5	9.0	7.0	7.5	4.0	5.5	9.0	7.5	8.0	9.0	20.0	
18	6.5	6.0	7.5	7.5	6.5	7.0	7.5	4.5	3.5	5.0	7.0	11.5	13.5	15.0	14.5	10.5	20.5	10.0	12.5	15.5	16.5	13.0	8.5	10.0	20.5		
19	9.0	12.0	11.5	12.0	10.5	10.0	10.5	11.5	12.0	9.5	10.5	12.5	14.0	13.5	13.0	16.5	13.0	9.0	9.5	11.5	11.0	11.0	7.5	6.5	11.0	16.5	
20	8.0	3.5	3.0	6.0	6.5	8.5	7.5	5.0	4.5	6.5	7.5	8.0	9.0	6.5	6.5	6.0	3.5	2.5	5.0	7.0	6.0	9.5	10.5	7.5	8.5	10.5	
21	3.5	6.5	4.0	4.5	3.5	4.0	8.0	4.5	4.0	10.5	15.5	15.0	14.5	19.0	20.5	18.0	7.0	13.5	13.0	16.5	9.5	3.0	2.5	3.0	9.5	20.5	
22	3.0	3.0	4.0	11.5	2.5	2.5	6.5	5.5	5.0	6.0	6.5	4.5	7.5	6.5	7.5	5.0	5.5	3.5	3.5	4.5	7.0	5.0	6.0	5.0	5.5	11.5	
23	5.0	7.0	7.0	8.5	8.5	9.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7.5	9.5
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	10.5	19.5	16.0	12.5	8.0	4.0	3.0	3.0	2.5	4.5	6.5	4.0	5.0	6.0	6.0	7.0	16.0
25	8.0	5.0	8.5	6.0	3.5	3.5	3.0	4.5	5.5	7.0	7.5	6.0	8.0	8.5	8.5	8.5	6.5	3.0	2.0	4.5	6.5	5.5	7.0	6.0	6.0	8.5	
26	4.5	7.0	6.5	5.5	7.0	7.5	7.5	6.0	3.5	4.5	4.5	5.0	6.0	6.0	8.0	7.0	6.0	3.0	5.5	8.5	8.5	7.5	8.5	7.0	6.5	8.5	
27	6.0	6.0	9.5	3.5	6.5	5.0	6.5	5.5	3.0	4.5	6.0	5.0	7.0	8.0	6.0	6.5	5.0	3.0	3.0	5.5	9.5	9.5	6.0	5.5	4.5	9.5	
28	5.5	3.5	5.5	7.5	7.5	5.5	5.0	3.0	4.0	6.0	4.0	4.5	6.0	6.0	6.0	6.0	3.5	3.5	3.5	6.5	7.0	4.5	3.5	4.0	5.5	9.5	
29	3.5	5.5	5.5	6.5	6.0	7.5	7.5	6.5	4.5	5.0	5.5	5.5	6.0	5.5	7.5	6.0	4.0	2.5	6.5	7.5	6.0	5.0	7.0	5.5	6.0	7.5	
30	6.5	7.5	7.0	7.5	6.5	8.0	7.5	9.5	6.5	4.0	4.5	5.0	6.5	7.0	7.5	6.0	4.5	3.0	2.0	4.5	4.0	6.0	7.0	4.0	6.0	9.5	
AV	6.5	6.0	5.5	5.5	5.0	5.0	5.5	5.0	5.5	7.0	8.0	8.5	9.0	9.5	9.5	8.5	7.5	6.5	6.0	7.0	7.5	7.5	7.0	6.5	7.0	11.1	
SD	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.0	4.0	4.5	4.0	3.5	4.0	4.5	3.5	4.5	3.0	3.5	3.0	3.5	3.0	2.5	1.5	1.1	

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139

HONANZA, UTAH

SITE 11

OCT. 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.5	7.5	8.0	7.5	7.5	8.0	8.5	8.5	4.0	4.0	6.0	5.0	6.0	5.0	6.5	5.5	3.0	3.0	3.0	3.5	3.0	3.0	4.0	4.0	6.0	5.5	8.5
2	7.5	9.5	6.0	4.5	5.0	6.5	11.0	11.0	14.0	10.5	7.5	6.5	5.0	7.0	11.5	6.0	3.0	2.0	3.0	4.0	4.0	2.5	3.0	4.5	5.5	6.5	14.0
3	7.0	7.5	7.0	8.0	7.5	9.0	6.0	7.0	3.0	3.0	3.5	4.5	4.0	4.5	5.0	5.0	3.5	3.0	3.5	5.0	5.0	4.5	4.0	5.5	5.0	9.0	
4	7.0	6.0	8.0	8.0	8.5	8.5	7.0	7.0	2.0	4.5	4.5	4.5	6.5	5.0	7.0	6.0	4.0	4.0	5.0	6.0	6.5	5.0	5.0	5.5	6.0	8.5	
5	7.5	7.5	9.0	10.5	9.0	5.5	6.0	8.5	4.0	3.5	5.0	6.0	4.0	5.0	8.5	7.0	6.0	5.0	2.5	4.0	5.0	5.0	5.0	4.5	6.0	10.5	
6	3.0	5.5	3.0	4.5	5.0	6.5	8.5	8.0	5.0	4.0	4.0	5.0	6.5	9.0	7.5	5.5	5.5	4.5	4.0	4.5	6.0	4.0	7.5	6.5	5.5	9.0	
7	8.0	7.5	7.0	8.0	8.0	8.5	6.5	8.5	5.5	5.5	4.0	6.0	7.0	6.0	6.5	5.0	4.5	2.0	2.5	4.0	6.5	4.5	5.5	6.0	6.0	8.5	
8	5.5	7.0	7.0	6.5	7.5	8.0	8.0	5.5	2.5	2.5	4.0	5.0	5.5	5.0	2.5	2.5	2.0	2.0	3.0	5.0	5.0	4.5	4.0	3.5	4.5	5.0	8.5
9	6.0	8.5	8.0	7.5	8.0	7.0	8.0	7.5	5.5	7.0	6.0	6.5	6.0	5.5	6.5	7.0	6.0	3.5	2.5	3.0	4.0	4.0	4.5	4.5	6.5	6.0	8.5
10	5.0	4.5	4.5	8.0	6.0	6.5	8.5	7.0	6.0	6.0	6.5	6.0	5.5	5.5	4.5	4.5	6.0	3.5	3.5	2.5	2.5	4.0	4.0	4.0	5.0	5.5	8.5
11	5.5	5.5	6.5	7.0	7.5	6.0	6.5	7.0	4.5	4.0	4.0	6.0	8.0	8.0	4.5	2.0	2.5	5.5	7.0	11.0	8.5	9.0	4.5	6.0	6.0	11.0	
12	5.5	3.5	5.0	2.5	2.0	3.5	3.0	4.5	8.5	7.0	12.0	4.5	8.5	9.5	5.0	6.5	14.0	13.0	9.5	7.5	6.0	2.5	3.5	3.5	6.5	14.0	
13	4.5	10.0	6.0	4.0	5.0	3.5	2.5	2.0	3.5	6.5	8.0	7.0	5.5	6.5	7.0	5.0	0.0	7.5	10.5	10.0	11.0	5.5	6.0	4.0	6.0	11.0	
14	3.5	4.0	4.0	4.0	3.5	2.5	2.5	2.5	3.0	6.0	3.5	9.0	12.0	12.0	6.5	6.0	13.5	21.0	10.5	9.0	4.0	3.0	7.0	13.0	7.0	21.0	
15	11.0	14.5	13.0	8.5	11.5	11.0	15.5	6.0	9.0	12.0	14.5	16.0	19.5	15.0	13.5	12.0	10.0	8.0	4.5	2.5	3.5	3.0	3.0	3.0	5.5	10.0	19.5
16	10.0	6.5	6.0	9.0	6.0	5.5	6.5	2.5	3.5	6.0	4.5	4.0	3.5	4.5	6.0	5.0	5.5	11.0	7.5	8.0	11.0	7.0	11.0	12.5	7.0	12.5	
17	9.0	2.0	4.0	6.5	4.0	6.0	5.5	6.5	5.0	5.5	7.5	10.5	14.5	14.5	12.5	6.0	8.5	10.5	11.5	7.0	7.0	4.0	2.5	3.0	7.5	14.5	
18	5.5	7.0	10.5	6.5	7.0	7.5	6.5	10.0	6.0	4.5	3.5	3.0	4.0	5.0	2.5	4.0	2.5	2.0	2.5	10.0	11.5	8.0	6.0	7.5	6.0	11.5	
19	10.5	6.5	8.0	8.5	5.0	6.5	6.5	5.5	3.5	5.5	5.5	4.5	5.0	7.5	5.5	5.0	5.0	4.0	2.5	2.5	5.0	7.5	8.0	6.5	6.0	10.5	
20	5.0	5.0	6.5	7.0	5.5	6.5	7.0	7.0	3.5	4.0	5.5	5.0	5.5	6.5	3.5	4.0	3.0	1.5	2.5	9.5	9.0	7.0	4.0	6.5	5.5	9.5	
21	6.0	5.5	5.0	4.5	6.0	6.0	4.5	5.5	3.5	3.5	4.5	3.0	6.0	6.5	6.0	4.0	2.5	3.0	7.0	4.0	8.0	7.5	8.0	4.5	5.5	8.0	
22	5.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	15.0	16.5	15.5	19.0	18.5	22.5	25.0	24.0	14.0	13.0	9.0	4.0	4.0	13.0	3.0	14.5	25.0
23	2.5	2.5	3.5	3.0	5.5	4.0	4.5	8.0	6.0	6.0	6.0	5.0	5.5	5.0	4.0	4.5	3.5	2.5	3.0	3.0	4.0	6.0	10.0	7.5	5.0	10.0	
24	4.5	5.0	5.5	6.5	6.5	5.5	6.0	5.5	3.0	3.0	4.0	5.0	4.5	3.0	5.5	7.5	7.5	4.5	3.5	3.0	4.0	2.0	5.5	5.0	5.0	7.5	
25	6.5	5.5	6.0	4.0	4.0	5.0	4.0	3.0	2.5	4.5	5.5	5.5	6.0	7.5	5.5	6.0	2.0	1.5	3.0	3.5	2.5	5.5	6.5	6.0	4.5	7.5	
26	4.0	3.5	4.0	2.0	2.5	3.0	3.5	4.0	3.0	4.5	6.5	8.5	8.0	6.5	4.0	2.0	3.0	2.5	2.5	2.0	3.0	3.0	3.5	2.5	4.0	8.5	
27	2.5	2.5	3.0	6.0	5.0	3.5	2.5	2.0	3.5	2.0	3.5	10.5	9.5	10.0	11.0	10.5	9.0	10.5	8.0	6.5	4.0	3.5	3.0	3.0	6.0	11.0	
28	4.0	4.0	3.0	3.0	3.0	2.0	2.5	4.0	3.0	5.0	3.5	4.5	5.5	4.5	4.5	2.5	2.5	4.5	4.0	4.0	6.0	6.0	6.0	6.5	7.5	4.0	7.5
29	8.5	7.5	8.0	8.0	6.0	3.5	7.0	5.5	4.5	3.0	4.5	4.0	4.5	4.5	6.0	4.5	4.0	5.0	5.0	2.5	2.5	5.0	7.0	7.0	5.5	8.5	
30	4.0	7.5	5.5	3.5	6.0	6.0	3.5	4.0	3.0	3.0	3.5	4.5	6.5	3.5	3.0	5.0	1.5	4.5	4.5	2.5	3.0	3.5	4.0	5.0	4.0	7.5	
31	7.5	7.0	4.0	3.5	4.5	4.0	3.5	3.5	3.0	3.0	4.0	4.5	4.5	4.5	5.0	5.0	3.5	3.5	3.0	2.0	3.0	2.5	3.5	4.0	4.0	7.5	
AV	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	5.5	6.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	5.5	5.5	5.5	5.0	6.0	6.0	6.0	6.0	6.0
SD	2.0	2.5	2.5	2.0	2.0	2.0	3.0	2.5	2.0	3.0	3.0	3.5	3.5	3.5	3.5	4.0	4.5	5.0	3.0	3.0	2.5	2.0	2.5	2.5	2.0	2.0	

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, W139

BONANZA, UTAH

SITE 11

NOV, 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/A1

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK		
1	5.0	6.0	7.0	8.0	7.5	6.5	5.0	5.0	5.0	6.0	3.5	4.0	5.0	4.5	3.0	2.5	4.5	2.5	3.0	5.0	4.0	8.5	7.0	4.0	5.0	8.5		
2	4.0	5.0	6.0	5.0	7.0	4.5	6.0	5.0	3.5	3.5	4.0	3.0	4.5	3.0	4.5	7.0	5.5	3.5	4.5	4.0	4.0	6.5	7.0	11.5	5.0	11.5		
3	6.0	8.0	6.5	7.0	8.0	6.5	5.5	4.5	5.5	3.0	3.0	2.5	4.5	5.5	3.5	2.5	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.5	4.5		
4	5.0	6.5	7.5	8.5	7.5	6.0	8.0	7.0	3.5	5.0	6.0	4.5	3.5	4.0	3.0	2.5	2.0	2.5	3.0	2.5	3.0	5.0	5.5	4.5	5.0	8.5		
5	6.0	6.5	6.5	6.0	8.0	5.0	5.5	5.5	6.0	2.5	4.0	4.5	4.0	5.0	5.0	5.5	6.0	6.0	3.5	3.0	3.0	4.0	4.0	7.0	5.0	8.0		
6	8.0	6.0	6.5	6.0	5.0	4.0	6.0	4.0	7.0	3.5	4.5	4.0	4.5	3.0	3.5	5.5	4.0	3.5	7.0	8.5	4.5	6.5	6.0	3.0	5.5	8.5		
7	3.5	5.5	3.0	3.0	2.5	3.5	3.0	3.0	2.5	3.5	3.0	4.5	4.0	7.0	10.0	9.5	8.5	10.5	10.5	9.0	13.0	7.0	4.0	10.5	6.0	13.0		
8	16.0	18.5	16.0	17.0	14.0	9.0	4.5	3.5	5.5	8.0	8.0	11.0	10.0	9.0	5.0	7.0	6.0	3.5	4.0	3.0	3.5	2.5	4.5	5.0	4.0	14.5		
9	5.0	4.0	4.5	3.0	2.5	3.0	5.5	6.0	4.0	3.0	3.5	4.0	2.5	4.0	3.5	4.0	3.0	2.5	3.0	2.5	3.0	3.0	4.0	4.0	4.5	3.5	6.0	
10	5.0	6.0	3.5	2.0	1.5	2.5	3.5	4.5	6.0	6.0	6.0	5.5	4.5	3.5	4.0	3.0	3.0	2.5	4.0	4.0	2.5	3.0	2.5	2.5	4.0	6.0		
11	5.5	5.0	2.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	2.5	2.5	3.0	3.0	2.5	9.5	6.0	9.0	8.0	6.0	6.5	12.5	16.5	5.0	16.5		
12	11.0	12.0	10.0	15.0	9.5	13.5	11.5	7.0	8.5	9.5	3.5	3.0	2.0	3.0	4.0	5.0	8.5	9.0	7.0	9.5	6.5	9.5	10.0	10.0	8.5	15.0		
13	10.0	8.0	6.5	9.0	8.0	8.5	10.5	10.5	9.0	9.5	7.0	8.0	6.0	2.0	3.0	3.0	3.5	3.0	6.0	7.5	6.5	4.5	4.5	4.0	7.0	10.5		
14	5.0	4.0	4.5	3.5	2.5	4.0	6.5	8.5	6.0	4.0	2.5	3.0	3.0	2.5	3.0	3.5	4.5	3.0	5.0	4.5	3.0	2.5	4.5	5.5	4.0	8.5		
15	6.0	5.5	5.5	4.5	5.0	4.0	3.0	3.5	4.0	8.5	4.0	4.5	5.0	3.5	3.0	3.0	3.0	3.0	2.5	3.0	2.5	4.5	5.0	4.5	4.5	8.5		
16	5.0	5.5	5.0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	5.0	5.5	
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
22	6.5	9.0	6.5	8.0	8.0	3.0	4.0	4.5	2.0	2.5	3.0	3.0	4.0	3.5	5.5	5.0	9.5	8.0	7.0	5.0	6.5	2.5	2.5	3.0	5.0	9.5		
23	4.0	3.5	4.0	5.5	4.0	5.0	3.5	3.5	6.0	4.0	7.0	5.5	7.0	4.0	4.0	3.0	2.5	3.0	3.0	6.0	9.0	3.0	4.0	2.5	4.5	9.0		
24	2.5	3.5	3.0	2.5	2.5	4.0	6.0	7.0	6.0	6.0	5.5	5.0	4.0	2.5	3.0	3.0	3.0	3.0	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	4.0	7.0	
25	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	4.0	7.0
26	4.0	3.0	5.0	4.5	4.0	6.0	5.5	5.5	3.0	3.0	3.5	4.0	7.5	5.0	3.5	2.5	3.5	3.5	4.0	3.0	5.0	4.0	3.0	3.5	3.5	5.0	10.0	
27	10.5	10.0	10.0	4.5	5.5	6.5	5.0	4.0	3.0	4.0	2.5	4.0	2.5	3.0	2.5	2.5	3.5	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	10.0	
28	2.5	2.5	2.5	4.5	3.5	5.5	4.0	4.0	6.5	4.5	3.5	3.0	6.5	4.5	3.0	4.0	3.5	3.5	3.0	2.5	4.0	2.5	5.0	5.0	4.0	8.5	10.5	
29	3.0	3.0	3.0	3.5	2.5	3.0	4.5	3.0	3.0	5.0	3.0	6.0	3.0	2.5	2.5	2.5	3.5	3.5	4.0	5.0	4.0	3.0	3.0	3.0	3.0	3.5	6.0	
30	2.5	2.5	4.0	5.0	5.5	6.0	8.5	8.5	8.0	3.0	3.5	5.0	6.5	5.0	10.5	7.5	5.5	4.5	7.0	14.0	19.0	16.5	13.0	3.5	7.5	19.0		
AV	6.0	6.0	6.0	6.0	5.5	5.0	5.5	5.0	5.0	5.0	4.0	4.5	4.5	4.0	4.0	4.0	4.5	4.0	4.5	5.0	5.5	5.5	5.5	5.5	5.0	()		
SD	3.0	3.5	3.0	3.5	3.0	2.5	2.5	2.0	2.0	2.0	1.5	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	3.0	4.0	3.5	3.0	3.5	3.0	1.5	()	

ABOUT (29 JAN 81)

WIND SPEED [CC101]

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #119

HONARZA, UTAH

SITE 11

DEC. 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AB OF 31/MAR/81 *
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	4.0	5.0	3.0	3.0	4.5	8.5	11.0	11.5	7.0	8.5	10.5	12.5	10.0	8.0	5.5	3.0	4.5	5.5	4.5	8.5	4.5	5.5	5.5	4.0	4.0	6.5	12.5	
2	2.5	3.0	3.5	3.0	4.0	3.5	3.0	4.0	4.0	6.0	6.0	4.0	3.0	2.5	3.5	3.0	2.0	2.5	3.0	2.5	3.0	4.0	4.0	3.0	3.5	3.5	6.0	
3	5.0	3.0	3.5	7.5	8.0	9.5	10.5	12.5	14.5	18.0	17.5	22.5	19.5	17.5	12.0	10.0	10.0	10.0	7.5	12.5	9.5	7.0	4.0	3.0	7.0	10.5	11.0	
4	2.5	3.5	9.5	7.5	8.0	9.5	10.5	14.5	14.5	18.0	17.5	22.5	19.5	17.5	12.0	10.0	10.0	15.0	5.5	6.0	7.0	9.5	10.0	6.0	4.0	7.0	22.5	
5	8.5	11.0	13.5	9.5	11.0	10.0	8.0	6.5	4.0	5.0	7.5	6.5	5.0	5.5	6.0	6.5	9.0	5.0	5.5	4.0	4.5	4.0	3.0	5.0	7.0	13.5	7.0	
6	5.5	5.5	2.0	2.0	3.0	3.5	1.5	3.0	3.0	3.5	3.0	3.0	3.5	3.0	3.0	3.0	5.0	9.0	6.5	7.0	6.5	4.0	2.0	2.5	3.5	9.0	3.5	
7	3.5	3.5	2.5	3.0	2.5	4.0	4.0	2.5	2.0	3.0	3.0	3.0	5.5	5.0	3.0	2.0	1.5	2.5	4.5	4.5	5.0	4.5	4.5	7.0	3.5	9.0	7.0	
8	8.0	6.0	5.0	5.5	4.0	9.5	5.0	3.0	6.0	4.0	4.5	5.5	9.5	9.0	6.0	5.5	2.5	2.5	4.0	4.0	4.5	12.0	10.5	10.5	4.0	12.0	12.0	
9	12.0	7.5	6.0	4.0	2.5	2.5	1.5	3.0	4.5	6.0	7.0	6.5	7.0	4.5	3.5	2.5	2.5	4.0	10.0	12.5	6.0	6.5	7.0	7.5	5.5	12.5	5.5	
10	4.5	5.0	6.0	4.0	5.0	4.0	4.0	3.0	4.5	3.0	3.5	4.0	4.0	5.0	3.0	4.5	4.0	3.5	3.0	2.5	2.5	3.5	3.0	5.5	4.0	6.0	6.0	
11	4.5	3.0	3.5	2.5	3.0	3.0	3.5	2.5	2.0	3.0	3.0	5.0	5.5	5.0	4.0	5.0	4.0	3.0	2.5	2.5	2.5	3.5	3.0	5.5	3.5	5.5	5.5	
12	4.0	5.0	3.0	4.0	4.0	3.0	4.5	4.0	5.0	2.0	3.0	3.5	4.0	3.5	4.0	5.5	3.0	3.0	3.5	3.0	2.5	5.0	3.5	4.0	3.5	5.5	5.5	
13	4.5	4.0	5.5	6.0	7.5	6.0	6.0	6.0	5.5	3.0	4.0	3.0	3.5	3.5	2.5	4.0	3.0	3.0	4.5	4.0	3.0	2.0	3.5	4.0	3.5	5.5	4.0	
14	4.5	5.0	5.0	3.5	4.5	5.0	8.0	3.5	3.0	6.0	4.0	3.0	3.5	3.0	5.0	9.0	6.0	3.0	3.0	4.5	5.0	7.5	4.0	3.5	4.0	7.5	4.0	
15	6.5	4.5	4.0	5.5	6.0	4.0	2.5	5.5	5.0	4.0	4.5	7.0	4.5	3.5	3.0	2.5	3.5	4.5	5.5	2.5	2.5	5.0	5.0	3.0	4.5	4.5	4.5	
16	4.0	3.5	3.5	3.0	5.0	3.5	4.0	4.0	3.0	3.0	3.5	3.0	3.0	6.5	5.0	5.0	7.0	2.5	2.0	2.5	2.5	3.0	4.0	6.0	4.0	7.0	4.0	
17	6.5	6.5	3.5	2.5	3.0	4.0	3.5	3.0	2.5	2.5	3.0	3.5	4.0	4.5	4.0	4.5	5.0	5.0	3.0	2.5	3.0	2.0	5.5	6.5	4.0	6.5	4.0	
18	5.5	5.5	3.0	5.0	4.5	2.5	3.5	3.0	3.0	4.0	4.0	2.0	3.0	5.5	6.5	5.5	4.5	3.0	4.0	4.5	2.5	2.5	4.0	3.5	4.0	6.5	4.0	
19	3.0	4.5	4.0	4.5	3.5	5.0	7.0	5.0	6.0	3.5	4.5	5.0	2.5	3.0	4.5	3.0	5.5	4.0	1.5	3.0	4.0	4.5	4.0	6.5	4.5	4.5	4.5	
20	4.0	7.0	5.5	5.5	5.0	6.5	2.5	5.5	4.0	3.5	4.0	9.5	3.5	3.0	5.0	5.0	4.5	3.0	3.0	2.5	4.0	3.0	1.5	10.5	5.0	10.5	5.0	
21	3.5	6.0	5.5	3.5	4.5	4.0	5.0	5.0	5.5	2.5	3.5	3.5	3.5	3.5	2.5	2.5	2.0	2.0	2.5	4.5	4.0	4.0	5.0	1.5	3.5	6.0	4.0	
22	3.0	4.0	3.5	3.0	6.5	3.0	5.0	3.0	5.0	4.5	4.0	7.0	5.0	5.0	5.5	5.5	7.5	12.5	20.0	4.5	4.5	4.0	4.0	3.5	4.0	20.0	5.5	
23	3.0	2.5	4.0	7.0	6.0	6.5	6.5	6.0	4.5	4.0	6.0	7.0	5.0	5.0	5.5	5.0	2.5	3.0	3.5	6.0	6.0	9.5	4.0	2.5	5.5	9.5	5.5	
24	3.5	7.0	9.5	5.0	3.0	7.5	4.5	5.5	4.5	2.5	4.5	6.5	7.0	5.0	4.0	3.0	4.0	3.0	3.5	3.0	3.0	3.0	4.5	3.0	4.5	9.5	4.5	
25	2.5	3.0	3.0	4.5	3.5	2.5	5.0	4.0	4.0	4.5	3.5	6.5	5.0	5.0	6.0	4.0	4.0	2.5	5.0	6.0	5.5	6.5	11.0	7.0	5.0	11.0	5.0	
26	7.5	6.0	7.0	5.0	5.5	3.0	5.0	5.0	4.0	4.5	4.5	5.5	3.5	3.0	2.5	4.0	3.5	5.0	2.5	2.5	2.0	4.5	3.0	2.5	3.0	4.5	7.5	4.5
27	3.5	3.5	4.5	4.5	3.5	3.0	4.0	3.5	2.0	3.0	3.0	2.0	3.0	4.5	4.0	6.0	6.0	3.5	3.0	2.5	2.0	4.5	3.0	2.5	3.5	6.0	4.5	
28	2.5	3.0	3.0	5.0	3.0	2.5	2.5	4.0	2.5	2.0	4.5	7.0	6.0	4.5	4.5	5.5	4.0	3.0	3.5	3.0	3.5	4.0	3.0	2.5	3.5	7.0	4.5	
29	3.5	4.0	4.0	5.0	5.0	7.5	7.0	6.0	5.0	4.5	3.0	3.5	4.5	3.5	4.0	2.5	2.5	2.5	5.0	5.0	7.0	4.0	6.0	7.0	4.5	7.5	4.5	
30	4.0	4.0	6.0	3.5	5.5	2.0	3.0	4.0	3.5	2.0	2.5	4.0	3.0	5.5	4.0	6.0	5.5	5.0	2.0	5.5	4.5	4.5	5.0	5.0	4.0	6.0	4.0	
31	5.0	5.0	5.0	5.0	6.0	4.0	5.0	4.0	4.5	2.5	2.5	3.0	4.0	6.0	4.0	4.0	6.0	4.0	1.5	1.5	2.5	3.0	4.0	5.0	4.0	6.0	4.0	
AV	4.5	5.0	5.0	4.5	5.0	5.0	5.0	4.5	4.5	4.5	4.5	5.5	5.0	5.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	
80	2.0	2.0	2.5	1.5	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.5	3.0	3.5	2.5	2.0	2.5	2.5	2.5	2.5	1.5	1.5	

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, M139
 BONANZA, UTAH
 SITE 11
 JAN. 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRFV	
1	140	205	285	160	135	150	210	235	235	70	140	325	330	330	320	310	295	260	270	300	310	300	210	210	150	14
2	330	110	160	180	340	320	315	345	335	335	340	5	330	330	320	25	105	340	305	315	305	320	305	285	14	14
3	305	120	130	155	145	155	145	125	110	5	15	345	325	325	335	260	315	315	325	140	90	210	190	240	7	7
4	190	320	165	95	45	315	310	315	295	315	320	350	320	320	310	325	315	315	245	20	325	310	240	15	15	
5	280	150	80	150	145	125	110	125	115	155	95	20	335	315	300	215	110	30	310	320	335	10	135	205	7	7
6	175	225	295	310	75	295	355	145	265	280	265	315	325	60	55	85	90	85	100	135	145	235	325	35	15	15
7	135	235	15	320	140	335	160	330	300	330	120	300	290	290	320	340	225	220	185	150	155	140	150	130	(VA)	(VA)
8	120	105	330	300	325	30	345	335	25	125	305	315	320	270	100	145	160	225	185	175	160	180	180	185	15	15
9	180	185	180	185	180	180	180	180	180	165	170	165	165	165	170	180	175	180	170	170	155	155	170	150	9	9
10	165	140	180	175	175	180	170	175	175	170	180	185	205	285	295	305	310	290	300	295	295	250	250	190	9	9
11	135	135	135	120	120	120	115	275	135	115	350	330	325	120	310	305	90	5	75	300	315	305	305	190	6	6
12	155	335	220	220	140	285	305	325	325	285	95	310	305	40	320	285	115	310	175	155	135	300	270	180	15	15
13	300	280	115	315	350	345	355	10	5	50	315	315	315	290	60	315	265	180	180	185	180	165	165	180	15	15
14	180	170	170	160	155	160	170	190	295	230	135	145	150	150	145	135	210	190	150	60	145	290	280	195	14	14
15	105	205	120	120	125	320	335	335	335	350	135	315	310	330	10	125	125	345	320	170	285	170	145	135	14	14
16	165	180	195	170	155	145	140	250	325	115	300	300	325	315	325	340	335	320	270	300	310	315	310	325	15	15
17	305	130	145	135	180	190	255	140	300	325	110	85	315	305	320	325	335	315	305	240	130	10	250	115	15	15
18	160	130	135	125	70	295	5	95	280	275	320	315	315	310	315	310	290	270	285	90	100	110	110	95	15	15
19	95	105	100	105	100	105	105	100	100	105	105	100	90	75	70	65	75	20	100	95	95	80	70	70	5	5
20	90	140	135	140	145	155	140	140	150	145	130	310	305	300	320	305	305	315	290	275	290	290	255	140	7	7
21	200	220	135	315	315	325	355	95	310	305	290	340	120	290	60	315	305	305	310	310	320	315	315	315	15	15
22	320	320	305	310	320	40	110	115	120	115	60	310	290	335	320	300	290	345	295	35	130	120	185	130	15	15
23	150	255	135	250	160	125	345	100	355	285	320	320	315	325	310	330	275	305	300	320	54	195	270	325	14	14
24	325	230	275	205	345	60	300	120	45	150	135	315	300	275	310	330	315	310	305	335	275	315	125	115	15	15
25	305	310	100	350	130	345	335	45	135	320	320	310	320	135	260	305	130	280	170	55	105	100	85	345	15	15
26	320	320	285	300	330	290	305	330	340	330	315	320	315	330	330	340	55	70	95	85	40	25	310	320	15	15
27	320	145	325	320	325	150	160	130	310	325	300	305	315	305	330	340	305	295	130	305	305	305	135	105	15	15
28	45	70	15	45	320	285	300	295	310	315	325	320	335	355	340	345	335	330	330	320	295	290	105	110	15	15
29	140	285	305	320	310	295	300	310	315	315	310	290	300	290	310	150	245	135	95	175	200	280	15	14	14	
30	140	135	135	140	130	120	120	110	50	325	320	320	335	125	135	110	320	0	290	180	130	90	130	6	6	6
31	125	130	125	120	125	145	140	110	125	305	40	320	315	125	320	315	315	230	345	310	240	155	145	190	7	7
PV	7	7	7	(VA)	7	8	16	(VA)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	7	15

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

LEVEL HEIGHT 1 10 METERS

JAN, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SSW	WNW	SSE	SE	SSE	SSW	SSW	SW	ENE	SE	NW	NNW	NNW	NW	NNE	NW	WNW	W	WNW	NW	WNW	SW	SSE	WNW	
2	WNW	ESE	SSE	S	NW	NW	NW	NW	NW	NW	NW	N	NNW	NNW	NW	NNE	ESE	WNW	NW	WNW	NW	WNW	SW	SSE	WNW	
3	NW	ESE	SE	SSE	SE	SE	ESE	ESE	ESE	NNE	NW	NNW	NW	NW	NW	NW	NW	NW	NW	WSW	ENE	SSW	S	WSW	SE	
4	S	NW	SSE	E	NE	NW	NW	NW	WNW	NW	NW	N	NNW	NNW	NW	NW	NW	NW	NW	WSW	NNE	NW	SE	SSW	NW	
5	N	SSE	E	SSE	SE	SE	ESE	SE	ESE	W	WNW	NW	NNW	NNW	NW	ENE	E	ENE	NW	WSW	NW	SE	SSW	SE	NW	
6	S	SW	WNW	NW	ENE	WNW	N	SE	W	WNW	NW	NNW	NNW	NNW	ENE	E	E	E	E	SE	SE	SW	ENE	ENE	NW	
7	SE	SW	NNE	NW	SE	NNW	SSE	NNW	WNW	WNW	ESE	WNW	WNW	WNW	WNW	SW	SW	SW	SW	SSE	SSE	SE	SSE	SE	(VA)	
8	ESE	ENE	WNW	WNW	NW	NNE	NNW	NNW	NNE	SE	NW	NW	NW	W	E	SE	SSE	SW	S	S	S	S	S	S	NW	
9	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	S	S	NW
10	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	S	S	S	NW
11	SE	SE	SE	ESE	ESE	ESE	ESE	W	SE	ESE	N	NNW	NW	ESE	NW	NW	NW	NW	ENE	WNW	NW	WNW	SW	S	ESE	
12	SSE	WNW	SW	SE	WNW	NW	NW	NW	NW	WNW	E	NW	NW	ENE	NW	WNW	ESE	NW	S	SSE	SE	WNW	SE	SE	ENE	
13	WNW	W	ESE	WNW	N	NNW	N	N	NE	NW	NW	NW	NNW	NNW	ENE	NW	W	S	S	S	S	SSE	SSE	S	ENE	
14	S	S	S	SSE	SSE	SSE	S	S	WNW	SW	SE	SE	SSE	SSE	SE	SE	SSW	S	SSE	ENE	SE	WNW	W	SSW	SSE	
15	ESE	SSW	ESE	ESE	SE	NW	NNW	NNW	NNW	N	SE	NW	NNW	NNW	N	SE	SE	SE	NNW	S	WNW	S	SE	SSW	SSW	
16	SSE	S	SSW	S	SSE	SE	SSW	SSW	WNW	ESE	WNW	WNW	NNW	NNW	NW	WNW	NNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
17	NW	SE	SE	SE	S	SSW	S	SSW	SE	N	SE	ENE	NNW	NNW	NW	WNW	NNW	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	
18	SSE	SE	SE	SE	ENE	WNW	N	E	W	WNW	NW	NW	NNW	NNW	NW	ENE	ENE	W	WNW	ENE	E	E	ESE	ESE	NW	
19	E	ESE	E	ESE	E	ESE	ESE	E	E	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	NW	
20	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
21	SSW	SW	SE	SE	NW	NW	N	E	NW	NW	WNW	NNW	NNW	NNW	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
22	NW	NW	NW	NW	NE	SE	SE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
23	SSE	SSW	SE	SSW	SSE	SE	NNW	N	E	N	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
24	NW	SW	W	SSW	NNW	ENE	NNW	ESE	NE	SSE	SE	NNW	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
25	NW	NW	E	N	SE	NNW	NNW	NE	SE	NNW	NW	NNW	NNW	SE	W	NNW	SE	W	S	NE	FSE	E	E	NNW	NNW	
26	NW	NE	WNW	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
27	NW	SE	NW	NW	NW	SSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
28	E	ENE	NNE	NE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
29	SE	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
30	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
31	SE	SE	SE	ESE	SE	SE	ESE	ESE	SE	NNW	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
PV	SE	SE	SE	(VA)	SE	SSE	NNW	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	(VA)	SE	NNW	

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 11
 FEB, 1960
 AERODIVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/61
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	185	245	215	330	155	110	145	305	290	325	340	355	315	320	320	325	310	175	175	335	35	125	145	30	15
2	205	250	315	325	145	300	130	355	145	10	120	325	320	320	325	295	310	300	220	45	325	160	315	140	15
3	160	195	325	145	155	335	325	185	320	25	355	335	360	320	325	295	310	310	245	190	310	320	125	245	16
4	330	60	330	355	35	140	10	315	90	210	95	330	330	315	305	300	280	265	150	40	290	310	175	165	15
5	225	135	125	200	115	205	355	65	155	125	340	325	315	320	335	325	310	325	300	145	0	110	270	180	15
6	160	205	125	335	345	275	150	135	335	345	310	315	325	320	315	315	315	300	310	310	125	355	145	145	15
7	265	310	310	310	305	230	235	310	325	315	300	315	310	285	60	90	90	95	75	60	45	70	105	90	15
8	100	75	150	135	130	140	150	140	55	330	325	320	315	315	310	315	310	315	100	135	125	145	135	125	7
9	55	130	135	125	125	125	125	125	120	330	310	325	315	310	315	310	310	305	305	310	335	10	145	130	15
10	115	130	130	125	125	130	250	325	315	355	330	330	320	320	315	315	290	310	290	150	310	120	165	135	15
11	110	60	115	125	115	125	135	90	355	55	325	320	325	325	315	315	315	205	305	300	305	45	135	145	15
12	125	135	120	125	130	135	145	95	115	20	325	330	315	325	310	315	315	305	165	310	145	15	355	60	7
13	285	145	180	45	335	245	320	225	355	330	340	350	325	315	325	315	320	305	315	315	320	230	315	45	16
14	330	265	290	220	140	225	145	150	315	320	330	330	320	320	305	320	320	315	225	165	310	330	320	315	15
15	150	310	340	315	340	345	165	170	335	355	350	350	325	320	325	315	315	295	295	5	260	290	280	145	16
16	150	275	280	130	305	160	135	300	310	305	150	355	345	320	295	335	320	325	325	325	325	325	330	330	16
17	315	315	320	320	320	325	325	325	325	325	325	335	325	325	325	325	325	290	145	15	145	320	70	70	15
18	160	185	170	175	185	200	325	30	125	170	190	305	305	300	295	195	150	140	160	265	225	195	170	165	9
19	165	230	275	180	165	160	125	80	135	135	215	190	200	180	175	180	175	195	150	140	310	240	320	325	8
20	125	155	155	155	175	165	220	265	200	175	190	165	145	215	190	265	320	310	220	155	185	205	210	190	9
21	240	310	180	315	155	180	175	105	125	180	190	185	140	180	165	190	320	305	285	320	330	315	190	145	9
22	145	325	130	290	300	175	160	185	290	290	310	310	320	300	310	315	315	305	320	140	155	155	260	275	18
23	140	165	245	190	160	180	160	195	315	5	315	310	320	325	320	330	340	120	75	115	145	170	180	170	16
24	160	155	150	195	165	195	145	130	110	315	355	340	325	325	325	325	330	310	315	330	175	155	130	150	16
25	130	125	125	130	140	130	125	130	125	335	335	330	315	310	325	315	315	320	290	200	70	170	115	145	7
26	125	125	130	120	140	130	150	145	60	335	330	330	310	315	320	315	320	310	300	290	225	345	130	130	15
27	30	125	125	135	160	150	140	85	125	335	330	340	305	310	315	310	315	310	305	295	140	50	150	130	17
28	120	120	120	135	150	165	250	155	150	340	325	330	315	320	325	40	315	285	170	320	310	175	175	195	15
29	300	290	150	145	115	130	145	305	265	220	310	325	315	355	315	345	345	355	15	115	125	115	110	125	7
PV	7	7	7	7	7	7	8	7	7	16	16	16	15	15	15	15	15	14	14	15	15	8	7	7	15

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

LEVEL HEIGHT 10 METERS

FEB. 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	WSW	SW	NNW	SSE	ESE	SE	NW	NNW	NW	NNW	N	NW	NW	NW	NW	NW	S	NNW	NE	SE	SE	NNE	NW	
2	SSE	WSW	NW	SE	SE	WNW	SE	N	SE	N	ESE	NW	NW	NW	NW	WSW	NW	WSW	SW	NE	SSE	P.A	SE	NW	
3	SSE	WSW	NW	SE	SSE	NNW	NW	S	S	NW	NNE	N	NNW	NNW	NW	NW	NW	WSW	SW	NE	SE	SE	WSW	NNW	
4	NW	ENE	NNW	N	NE	SE	N	N	N	E	SSE	E	NNW	NNW	NW	NNW	W	W	SSE	NE	NNW	NW	S	NW	
5	S	SE	SE	SSE	ESE	SSE	N	ESE	SSE	SE	NNW	NW	NW	NW	NW	NW	NW	NW	SE	N	ESE	N	S	NW	
6	SSE	WSW	SE	NNW	NNW	W	SSE	SE	SE	SE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	SE	N	SE	SE	NW	
7	W	N	N	NW	NW	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	ENE	ENE	ESE	E	NW	
8	E	ENE	SSE	SE	SE	SE	SSE	SE	NE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	E	SE	SE	SE	SE	SE	
9	NE	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
10	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
11	ESE	ENE	ESE	SE	ESE	SE	SE	E	N	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
12	SE	SE	ESE	SE	SE	SE	SE	E	ESE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
13	NNW	SE	S	NE	NNW	WSW	NW	SW	N	NNW	NNW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
14	NNW	NNW	NNW	SW	SE	SW	SE	SSE	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
15	SSE	NW	NNW	NNW	NNW	NNW	SSE	ENE	NNW	N	NW	NW	NW	NW	NW	NW	NW	NW	SSE	NW	NW	NW	NW	SE	
16	SSE	W	W	SE	NW	SSE	SE	ENE	NNW	N	N	NW	NW	NW	NW	NW	NW	NW	NW	N	N	NNW	WSW	SE	
17	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
18	SSE	S	S	S	SSE	SW	NW	NNE	SE	S	S	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
19	SSE	SW	W	S	SSE	SSE	SE	E	SE	SE	S	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
20	SE	SSE	SSE	SSE	SSE	SSE	SW	W	SSE	S	S	SSE	SE	SW	S	W	NW	NW	NW	NW	NW	NW	NW	SE	
21	WSW	NW	S	NW	SSE	S	SSE	SE	SE	S	S	S	SE	S	S	W	NW	NW	NW	NW	NW	NW	NW	SE	
22	SE	NW	SE	NNW	NNW	S	SSE	S	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
23	SE	SSE	NNW	S	SSE	S	SSE	SSE	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	NW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	
26	SE	SE	SE	SE	SE	SE	SE	SE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	
27	NNE	SE	SE	SE	SE	SE	SE	E	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	
28	ESE	ESE	ESE	SE	SSE	WSW	SSE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	
29	NNW	NNW	SSE	SE	ESE	SE	SE	NW	W	SW	NW	NW	NW	NW	NW	NW	NNW	N	NNW	ENE	SE	ESE	SE	SE	
PV	SE	SE	SE	SE	SE	SSE	SSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SE	SE	

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #119
BOHANTA, UTAH
SITE 11

MAR, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	110	120	120	110	115	110	125	105	315	330	330	335	335	325	320	10	10	35	340	75	190	150	140	140	14	
2	125	135	140	200	140	140	165	160	255	135	315	350	325	310	305	310	310	280	215	240	150	135	350	7		
3	105	275	155	145	295	40	160	255	175	125	125	195	175	180	215	260	220	120	180	200	195	205	210	9		
4	210	235	150	215	220	145	145	145	125	130	230	330	320	320	315	315	305	305	285	295	245	240	265	150	15	
5	150	160	160	180	180	180	200	325	185	205	190	180	175	180	175	160	175	175	170	170	170	170	155	150	9	
6	175	180	240	285	250	145	155	145	125	15	285	290	290	290	170	140	180	15	70	75	95	25	135	7	14	
7	250	310	310	310	310	310	300	125	170	230	260	270	285	305	285	185	225	260	325	330	330	250	160	295	14	
8	235	295	295	240	120	285	130	135	30	325	315	295	265	300	290	275	270	250	260	235	235	225	200	14	14	
9	345	160	200	155	155	150	155	140	155	140	155	310	290	280	270	275	270	250	260	235	235	225	200	14	14	
10	160	155	155	155	140	160	155	120	325	330	320	325	310	305	300	295	300	255	175	150	195	185	170	14	14	
11	125	125	130	140	140	140	125	130	135	120	45	10	315	340	280	160	165	155	155	155	140	145	125	14	14	
12	145	305	285	295	305	310	300	310	305	305	290	300	295	285	295	290	315	320	320	335	25	150	150	155	15	
13	165	235	155	135	155	125	130	125	120	0	335	320	310	320	320	310	310	305	215	185	160	140	210	215	7	
14	130	130	115	130	125	155	130	125	115	55	340	315	310	310	180	165	160	175	180	160	195	185	145	175	7	
15	170	175	180	180	330	110	180	245	305	135	170	275	310	250	220	210	210	200	280	225	230	305	300	300	9	
16	305	305	305	315	325	310	40	105	325	320	325	330	320	325	325	320	335	330	325	310	330	325	125	125	15	
17	130	125	125	155	160	160	160	335	335	320	300	305	155	160	180	190	240	150	155	155	140	135	155	185	14	
18	145	115	125	125	115	110	155	290	305	305	305	305	325	310	315	315	320	320	295	115	125	135	140	160	14	
19	150	130	130	120	120	125	110	125	90	290	290	300	295	295	315	305	315	315	310	335	0	40	95	120	14	
20	130	135	160	345	115	145	145	140	105	340	315	290	265	315	320	290	165	160	170	155	165	160	155	170	14	
21	155	250	245	155	175	175	145	125	160	160	175	165	170	165	185	230	310	325	325	65	155	150	150	155	14	
22	145	135	75	125	275	315	140	285	305	300	0	105	105	90	100	105	105	100	110	100	350	95	85	100	14	
23	145	125	160	210	145	125	135	140	130	115	40	40	300	295	330	300	265	330	75	155	275	295	305	145	7	
24	130	140	115	55	45	125	105	100	100	125	145	155	170	165	150	145	150	145	270	340	335	330	330	145	7	
25	330	330	325	330	330	330	330	330	330	330	330	330	330	325	305	240	305	330	10	145	275	285	215	150	16	
26	150	180	255	205	165	150	70	350	335	340	310	290	340	250	225	260	145	135	145	140	145	145	150	155	14	
27	160	150	120	110	120	140	140	120	35	320	325	335	270	285	290	305	305	290	285	275	255	240	275	265	14	
28	305	10	315	300	240	215	115	295	275	315	345	345	345	345	340	345	345	25	45	10	95	120	60	140	16	
29	140	75	310	295	305	200	130	105	350	330	305	320	320	305	280	40	105	130	130	140	150	145	140	120	7	
30	150	150	145	155	160	150	75	305	105	100	110	175	265	300	290	305	295	130	150	155	160	20	215	130	15	14
31	145	130	135	150	130	155	135	130	30	295	255	190	355	250	220	235	175	40	155	140	100	150	155	155	14	14
PV	7	6	7	8	7	7	7	7	7	15	15	14	15	14	14	15	15	15	15	14	14	14	14	14	14	7

ADJUST (21 JAN 81)

WIND DIRECTION [CC102]

WHITE RIVER SHALE PROJECT, #139
BORANZA, UTAH
SITE 11

LEVEL HEIGHT 10 METERS

MAR. 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NNW	NNW	NNW	NNW	NW	NW	NW	N	N	NE	NNW	ENE	SE	SSE	SE	NNW
2	SE	SE	SE	SE	SE	SSE	SSE	SSE	WSW	SE	NW	NW	NW	NW	NW	NW	NW	NW	W	WSW	WSW	SSE	SE	N	SE
3	ESE	W	SSE	S	NNW	NE	SSE	WSW	S	ENE	SE	SSW	S	S	S	SW	W	SW	ESE	WSW	WSW	SSW	SSW	SSW	S
4	SSW	SW	SSE	SW	SW	SE	SE	SE	SE	SE	SW	NNW	NW	NW	NW	NW	NW	NW	NW	NNW	WSW	W	W	W	NNW
5	SSE	SSE	SSE	S	S	S	SSW	NW	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S
6	WSW	NW	S	WSW	WSW	SE	SSE	SSE	SE	SE	NNE	NNW	NNW	NNW	NNW	S	SE	S	NNE	ENE	ENE	E	NNE	SE	SE
7	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	S	SW	W	W	W	W	W	W	W	W	NNW	NNW	WSW	SSE	WSW	NNW
8	SW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	NNE	NW	NNW	NNW	NNW	NNW	W	W	W	W	WSW	WSW	SSW	SSW	SSW	NNW
9	NNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	SSW	SSW	SSW	S	S	SSE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	SSE	SSE	SE	SE	SE	SSE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	NE	N	NW	NNW	W	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SE	SSE
12	SE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNE	SSE	SSE	SSE	NNW
13	SSE	SW	SSE	SE	SSE	SE	SE	SE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SW	NNW	NW	SSE	SSE	SW	NNW
14	SE	SE	ESE	SE	SE	SE	SE	SE	ESE	NE	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	S	SSE	SSE	S	S	S	SE
15	S	S	S	S	NNW	ESE	S	WSW	NW	SE	S	N	NW	WSW	SW	SSW	SSW	SSW	W	SW	SSW	SSW	NNW	NNW	S
16	NW	NW	NW	NW	NW	NW	NE	ESE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	NNW	NNW	NNW	SE	SE	NNW
17	SE	SE	SE	SSE	SSE	SSE	SSE	NNW	NNW	NW	NNW	NW	SSE	SSE	S	S	WSW	SSE	SSE	SSE	SE	SE	SSE	S	SSE
18	SE	SE	SE	SE	ESE	ESE	ESE	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	SSE	SSE	SE	SE	SSE	(VAL)
19	SSE	SE	SE	FSE	ESE	SE	ESE	NNW	NW	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	N	NF	E	ESE	NNW
20	SE	SE	SSE	NNW	ESE	SE	SE	ESE	NNW	NNW	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	WSW	WSW	SSE	S	S	SE	SE	SSE	SSE	S	SSE	S	S	SW	NNW	NNW	NNW	NW	E	SSE	SSE	SSE	SSE	SSE
22	SE	SE	ENE	SE	W	NW	SE	NNW	NW	NNW	N	ESE	ESE	E	ESE	ESE	ESE	E	ESE	E	N	E	E	E	ESE
23	SE	SE	SSE	SSW	SE	SE	SE	E	E	ESE	NE	NE	NNW	NNW	NNW	NNW	NNW	NNW	ENE	SSE	W	NNW	NNW	NNW	SE
24	SE	SE	ESE	NE	E	SE	ESE	E	E	SF	SE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	W	NNW	NNW	NNW	NNW	SE
25	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	SE	W	NNW	NNW	NNW	NNW
26	SSE	S	WSW	SSW	SSE	FNE	FNE	N	NNW	NNW	NNW	NNW	NNW	WSW	W	W	W	W	SE	SE	SE	SE	SSE	SSE	NNW
27	SSE	SSE	ESE	ESE	SE	SE	ESE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	WSW	W	W	W	NNW	NNW
28	NW	N	NNW	NNW	W	SW	ESE	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	N	NF	ESE	ENE	SE	NNW
29	SE	ENE	NNW	NNW	NNW	NNW	ESE	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SSE	N	NF	ESE	SE	NNW
30	SSE	SSE	SE	SSW	SSE	FNE	FNE	NW	FSE	E	FSE	S	W	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	NNW	SW	SE	SSE
31	SE	SE	SE	SSE	SE	SSE	SE	NNW	NNW	WSW	S	N	WSW	SW	SW	S	NE	SSE	SE	SE	SE	SE	SSE	SSE	SSE
PV	SE	SSE	SE	SSE	SE	SE	SE	SE	SE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSW	SSE	SSE	SSE	SE

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 APR, 1980
 AEROMONITORING INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	150	135	215	275	65	35	65	80	70	100	85	350	65	340	55	35	330	45	80	100	90	80	95	8
2	115	15	295	325	310	275	305	270	280	300	305	305	310	315	310	315	345	335	330	355	45	155	135	135	15
3	125	135	145	125	120	125	130	135	135	125	125	60	210	160	140	140	115	195	255	35	150	150	140	155	7
4	145	165	125	280	130	140	125	45	330	315	320	320	280	290	355	175	150	165	165	140	155	155	160	150	8
5	135	125	115	130	220	140	305	125	85	140	165	250	240	220	245	235	255	245	300	295	145	155	175	160	7
6	290	270	260	260	260	180	190	245	245	290	300	305	280	295	290	290	290	305	305	295	250	160	160	275	14
7	295	300	330	310	275	305	310	315	315	290	300	305	310	315	310	310	310	305	310	310	315	320	70	155	15
8	150	135	125	140	140	130	300	345	330	330	320	330	305	305	295	310	310	255	50	110	135	135	145	135	(VA)
9	160	130	120	115	120	120	125	100	320	310	315	330	315	255	210	255	255	265	200	175	170	160	175	260	9
10	255	145	250	270	265	275	290	310	310	315	305	310	310	315	315	310	315	315	305	305	330	90	120	75	14
11	100	130	105	280	330	60	0	125	355	95	95	55	355	355	45	30	45	40	0	10	55	55	25	85	(VA)
12	305	355	50	150	125	95	115	330	5	0	50	75	10	340	25	0	55	35	35	25	50	20	0	0	1
13	25	355	175	330	355	170	110	350	295	310	305	315	300	310	295	325	285	120	85	95	150	150	135	130	15
14	130	130	125	135	130	135	130	110	0	340	330	340	330	315	310	305	320	320	30	95	155	160	155	150	7
15	125	130	130	120	130	125	115	125	35	320	320	315	315	310	290	300	315	310	310	305	295	285	260	300	15
16	155	115	120	120	135	125	125	120	330	30	40	325	270	315	300	300	270	325	50	145	160	145	130	125	7
17	110	145	125	135	125	130	120	105	65	335	310	310	310	315	240	295	305	345	345	75	115	130	150	165	7
18	130	115	125	130	125	125	125	120	5	340	330	325	325	325	320	295	260	225	205	210	170	155	150	160	7
19	135	140	130	125	120	135	125	110	355	315	310	310	315	310	310	285	235	255	245	180	155	145	160	155	7
20	195	105	110	140	135	150	105	90	305	315	70	305	270	175	225	215	200	220	175	140	150	150	145	150	7
21	155	150	150	150	155	155	155	155	165	165	145	150	130	290	175	55	65	175	225	265	295	45	125	195	8
22	295	125	130	265	250	135	125	115	315	305	310	310	300	25	15	35	90	95	105	120	95	40	90	95	5
23	110	115	125	145	155	150	330	300	310	325	305	305	240	270	300	305	310	320	350	120	155	225	170	140	15
24	150	100	165	170	145	175	145	315	315	315	330	335	330	330	325	345	340	330	350	15	75	70	65	125	16
25	90	115	80	125	130	120	130	305	35	85	75	25	90	20	0	340	340	5	40	60	100	70	40	110	5
26	90	85	125	130	130	135	135	5	60	65	35	70	90	10	115	125	110	100	80	85	145	140	135	135	7
27	125	120	125	135	135	120	115	395	330	330	45	325	310	275	320	290	240	315	335	25	170	125	145	175	7
28	150	145	155	155	155	115	120	50	325	320	320	325	305	190	145	155	225	245	70	146	155	150	235	170	8
29	130	130	140	160	145	170	135	320	325	330	325	160	140	145	150	200	165	230	300	345	60	145	145	145	7
30	230	305	355	55	295	305	130	165	80	110	100	330	140	340	5	320	310	250	170	150	155	160	165	170	8
PV	7	7	7	7	7	7	7	6	15	15	15	15	15	15	15	15	15	15	15	5	4	4	4	4	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

LEVEL HEIGHT : 10 METERS

APR, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SW	W	ENE	ENE	ENE	E	ENE	NW	E	N	ENE	NW	NE	NE	NNW	NE	E	E	F	E	E	ENE
2	ESE	NNE	NW	NW	NW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NE	NE	SSE	SE	E	ENE
3	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	ENE	ENE	SSE	SE	SE	ESE	ESE	SSE	NW	NE	SSE	SE	SE	E	ENE
4	S	SSE	SE	W	SE	SE	NE	NNW	NW	NW	NW	W	W	W	W	SSE	SSE	SSE	SSE	SE	SSE	SSE	SE	E	ENE
5	SE	SE	ESE	SE	SW	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	E	ENE
6	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	E	ENE
7	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
8	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
9	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
10	WSW	SE	WSW	W	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
11	E	SE	ESE	W	NNW	ENE	N	SE	N	E	NE	N	N	NE	N	NE	N	NE	N	NE	N	N	N	E	ENE
12	NW	N	NE	SSE	SE	E	ESE	NNW	N	N	NE	ENE	N	NNW	NNE	N	NE	NE	NE	NNE	NE	NNE	N	E	ENE
13	NNE	N	S	NNW	N	S	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
16	SSE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE
17	FSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
19	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	ENE
20	SSE	FSE	ESE	SE	SE	SSE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	ENE
22	NNW	SE	SE	W	WSW	SE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	E	ENE
23	ESE	ESE	SE	SE	SSE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
24	SSE	E	SSE	S	SE	S	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
25	E	ESE	E	SE	SE	ESE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
26	E	E	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
27	SE	ESE	SE	SE	SE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
28	SSE	SE	SSE	SSE	ESE	ESE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
29	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	ENE
30	SW	NN	N	NE	NNW	NN	SE	ESE	E	ESE	E	NNW	SE	NNW	N	NN	NN	NN	NN	NN	NN	NN	NN	E	ENE
PV	SE	SE	SE	SE	SE	SE	SE	ESE	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	NN	E	ENE

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 MAY, 1980
 AEROVIRONMENT INC.

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 *
 * FINAL DATA
 * AS OF 31/MAR/81
 *
 *.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	185	125	130	150	145	25	70	105	65	95	110	125	60	180	265	305	205	245	340	165	165	160	180	7
2	145	150	130	130	145	170	105	340	325	335	335	315	140	155	150	175	205	195	160	165	155	160	165	185	8
3	155	150	145	125	120	125	130	125	10	310	320	340	330	300	310	290	50	125	170	150	155	150	130	120	7
4	245	160	190	170	115	110	125	110	55	310	310	330	330	320	330	340	335	120	125	140	170	340	110	150	16
5	145	25	265	135	140	120	135	115	110	340	330	285	275	305	325	50	75	125	155	150	150	135	135	145	7
6	135	180	160	140	140	125	120	125	115	10	330	320	255	165	140	150	140	145	140	135	140	165	160	120	7
7	160	145	175	145	150	115	135	160	315	325	280	165	160	150	130	130	110	320	265	335	110	105	135	145	7
8	145	140	150	135	160	180	130	125	165	190	200	170	75	130	320	305	285	220	185	180	170	170	145	115	(VA)
9	175	195	130	200	190	115	325	65	170	200	175	160	165	160	185	255	330	25	325	25	5	290	290	140	9
10	160	115	130	175	260	315	115	335	325	170	190	190	170	160	165	165	170	185	300	305	295	140	140	150	9
11	100	165	305	240	300	305	255	265	30	10	320	220	180	140	125	210	145	305	30	125	145	165	295	80	7
12	155	155	170	175	170	230	150	170	185	225	170	180	210	200	265	235	10	5	100	135	150	130	180	130	8
13	140	125	145	145	120	140	245	120	320	310	335	325	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
PV	8	7	7	7	7	6	7	6	15	15	16	(VA)	15	8	8	(VA)	16	7	8	8	8	8	7	7	8

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 11

LEVEL HEIGHT : 10 METERS

MAY, 1980

AEROSURVEILLANCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SE	SE	SSE	SE	ENE	ESE	E	ESE	SE	E	S	SSE	SW	SSW	NW	SSW	WSW	NW	SSE	SSE	SSE	S	SE
2	SSE	SSE	SE	SE	SE	SE	ENE	ESE	ESE	NW	NW	SE	SSE	SW	SSW	SW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	S	SE
3	SSE	SSE	SE	SE	SE	SE	ENE	ESE	ESE	NW	NW	SE	SSE	SW	SSW	SW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	S	SE
4	WSW	SSE	S	S	ESE	ESE	ENE	ESE	ENE	NW	NW	W	NW	NW	NW	ENE	ESE	ESE	SE	SE	S	NW	ESE	SSE	NW
5	SE	ENE	W	SE	SE	SE	ENE	ESE	ESE	NW	NW	W	NW	NW	ENE	ENE	ESE	ESE	SE	SE	S	NW	ESE	SSE	NW
6	SE	SE	SSE	SE	SE	SE	ENE	ESE	ESE	NW	NW	W	NW	NW	ENE	ENE	ESE	ESE	SE	SE	S	NW	ESE	SSE	NW
7	SSE	SE	S	S	SSE	ESE	ENE	ESE	ESE	NW	NW	W	NW	NW	ENE	ENE	ESE	ESE	SE	SE	S	NW	ESE	SSE	NW
8	SE	SE	SSE	SE	SE	SE	ENE	ESE	ESE	NW	NW	W	NW	NW	ENE	ENE	ESE	ESE	SE	SE	S	NW	ESE	SSE	NW
9	S	SSW	SE	SSW	S	ESE	NW	ENE	S	SSW	S	SSE	SSE	S	WSW	NW	NW	NW	SW	S	S	S	S	SE	IVA
10	SSE	ESE	SE	S	W	NW	ESE	NW	NW	S	S	S	SSE	SSE	S	SSW	SE	S	SW	NW	NW	NW	NW	SE	S
11	E	SSE	NW	WSW	NW	NW	ENE	NW	NW	N	NW	SW	S	SE	SSW	SE	NW	NW	ENE	NW	NW	NW	NW	SE	S
12	SSE	SSE	S	S	S	SSW	SSE	S	S	SW	S	S	SSE	SSE	W	SSW	SE	NW	E	SE	SE	SSE	SSE	E	SE
13	SE	SE	SE	SE	ESE	SE	ESE	ESE	NW	NW	NW	NW	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
PV	SSE	SE	SE	SE	SE	ESE	ENE	ESE	NW	NW	NNW	(VA)	NW	SSE	(VA)	NNW	NW	SE	SSE	SSE	SSE	SSE	SE	SE	SSE

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 JUN, 1980
 AERODIVISION INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	115	130	130	125	145	125	140	110	340	320	320	145	140	155	225	65	225	70	165	135	145	135	125	140	7
2	155	150	135	105	120	110	320	250	165	170	165	160	175	165	180	175	170	170	165	160	155	145	145	145	8
3	150	150	160	145	155	130	130	155	170	165	155	180	175	180	175	170	160	170	175	170	200	175	150	150	8
4	155	150	170	160	155	155	150	190	175	170	175	165	165	180	210	210	220	180	175	170	165	175	170	170	8
5	165	255	135	130	125	130	125	110	0	0	165	195	165	195	195	225	200	190	180	170	165	170	180	235	9
6	220	220	130	180	175	175	205	240	245	240	255	260	250	250	220	230	265	315	315	320	330	305	355	130	12
7	130	135	120	125	150	125	335	325	325	325	320	0	340	330	315	335	325	345	350	25	130	140	165	130	16
8	130	180	115	110	115	120	115	340	330	330	330	350	345	305	315	310	325	320	350	25	130	145	135	125	16
9	110	105	115	130	145	135	140	335	315	315	335	335	345	305	310	315	15	35	5	45	145	160	155	160	7
10	145	255	130	125	120	125	120	100	350	320	325	325	180	175	165	170	145	175	200	185	185	175	170	165	9
11	140	160	295	210	145	90	120	35	345	195	180	180	170	180	235	245	215	145	160	155	170	175	180	180	9
12	175	205	215	210	175	110	160	220	220	210	250	205	195	190	185	190	180	180	185	185	175	240	105	135	10
13	120	155	135	145	145	150	140	275	245	230	270	235	230	225	245	220	260	175	200	185	180	185	175	150	9
14	155	155	135	145	145	150	140	275	245	230	270	235	230	225	245	220	260	175	200	185	180	185	175	150	9
15	250	100	110	130	125	135	130	120	15	285	335	315	305	315	315	325	315	315	330	320	310	305	320	130	15
16	145	150	280	135	135	115	355	330	325	10	335	330	335	320	285	310	315	345	345	60	135	145	125	125	16
17	120	155	130	125	115	125	115	345	330	350	340	320	315	320	330	335	325	345	290	265	125	150	150	145	(VA)
18	155	120	130	130	120	115	115	345	330	335	325	315	335	310	310	185	280	295	290	240	295	310	140	125	15
19	150	140	155	135	140	155	150	120	345	305	115	305	210	155	170	215	285	295	290	80	160	165	135	165	7
20	130	130	130	150	170	125	85	325	5	320	340	340	205	200	165	155	155	170	155	170	165	165	140	105	8
21	255	190	110	135	155	130	135	50	345	340	295	220	175	245	240	295	270	290	210	200	190	165	125	135	7
22	150	200	120	205	125	135	125	330	345	325	335	330	325	190	170	230	190	215	195	175	160	155	155	165	8
23	180	160	155	150	155	155	145	155	180	170	170	190	200	190	205	205	205	175	170	170	160	255	220	120	9
24	150	145	140	140	135	130	125	335	330	335	295	175	170	195	175	225	195	250	220	180	185	180	175	170	9
25	150	165	205	165	130	125	80	10	340	190	140	165	160	170	165	165	175	185	140	190	210	170	165	155	9
26	155	155	155	205	60	140	135	115	175	185	175	205	165	220	225	215	220	220	190	170	165	175	185	225	9
27	305	305	295	295	265	285	295	300	320	325	300	315	305	315	305	315	315	310	315	310	295	325	15	295	15
28	170	145	125	125	125	130	115	325	320	290	350	320	305	295	325	340	330	340	330	10	135	140	145	120	7
29	130	130	15	150	140	150	150	140	325	320	320	325	315	325	315	285	295	315	310	170	250	180	160	140	15
30	150	195	295	335	250	150	320	310	170	290	315	325	325	345	320	315	320	320	325	310	310	150	240	125	15
PV	6	6	7	7	7	7	7	16	16	15	16	15	9	9	9	(VA)	9	15	9	9	9	8	7	8	9

WIND DIRECTION (CC10P)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 11

JUN, 1980

AERODYNAMIC INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SE	SE	SE	SE	SE	ESE	ENE	NW	NW	S	S	SSE	SW	ENE	SW	ENE	SSE	SSE	SE	SE	SE	SE	SE	SE
2	SSE	SSE	SE	ESE	ESE	ESE	NW	WSW	SSE	S	S	S	SSE	S	SSE	S	S	SSE	SSE	SSE	SE	SE	SE	SE	SSE
3	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	WSW	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
6	SW	SE	SE	SE	SE	SE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
7	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
8	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
9	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
10	SE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	S	S	S	S	S	S	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	ESE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	WSW	E	ESE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	SE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
17	ESE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
18	SSE	ESE	ESE	ESE	ESE	ESE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	SSE	ESE	ESE	ESE	ESE	ESE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
20	SE	SE	SE	SE	SE	SE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	WSW	S	ESE	ESE	ESE	ESE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SSE	SSE	ESE	ESE	ESE	ESE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	S	SSE	SSE	SSE	SSE	SSE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
24	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
26	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
28	S	S	S	S	S	S	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
29	S	S	S	S	S	S	ESE	ESE	N	N	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	SSE	SSE	SSE	SSE	SSE	SSE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
PV	SSE	SSE	SSE	SSE	SSE	SSE	NW	WSW	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION (CC102)

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 11

JUL, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/AI *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E SSE	SE SSE	SE SSE	ESE	WNW	E SSW	NW	NW	NW	NNE	E NNW	NW	NW	NW	NW	NW	NW	SSE	SSE	S	S	S	S	SSE	NW
2	SSE	SSE	SE SSE	ENE	WSW	WSW	SSE	NE	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW
3	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
4	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
5	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
6	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
7	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
8	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
9	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
10	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
11	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
12	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
13	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
14	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
15	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
16	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
17	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
18	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
19	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
20	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
21	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
22	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
23	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
24	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
25	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
26	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
27	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
28	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
29	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
30	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
31	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW
PV	SE SSE	SE SSE	SE SSE	ESE	ENE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 AUG. 1960
 AEROVIRONMENT INC.

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	120	210	115	125	150	140	150	140	165	15	335	320	305	310	265	210	240	195	210	105	140	140	145	135	7
2	135	135	130	130	130	120	115	120	275	325	315	320	305	260	295	290	310	300	320	310	295	300	270	120	14
3	100	145	145	145	145	125	185	0	345	290	300	295	305	305	300	310	315	320	315	315	310	300	300	285	15
4	270	95	170	140	145	270	120	115	345	335	315	310	325	300	310	295	295	315	310	310	310	305	265	170	150
5	135	120	125	135	135	125	125	330	330	315	325	320	320	315	70	240	290	275	250	235	165	190	165	165	15
6	190	200	240	190	145	220	210	165	355	325	305	315	230	260	255	230	235	240	260	215	175	150	160	290	11
7	240	170	135	160	205	140	145	60	350	320	330	355	335	325	320	20	310	90	165	160	135	150	135	145	7
8	140	130	125	145	150	125	110	125	310	325	330	330	335	290	275	275	290	240	270	235	175	140	270	160	7
9	155	150	150	145	150	110	125	160	295	290	315	320	295	240	315	305	310	305	310	325	350	105	130	135	15
10	155	110	125	100	125	130	120	100	300	305	295	300	305	305	315	310	305	315	310	320	320	350	145	130	15
11	145	115	130	155	120	170	120	40	300	330	320	345	305	285	310	305	325	310	330	40	125	150	145	150	15
12	135	135	145	50	125	125	115	120	140	165	315	315	300	305	95	130	260	65	130	135	150	140	140	145	7
13	175	130	245	165	165	155	230	355	345	335	325	310	335	280	160	305	330	100	145	250	145	155	170	150	8
14	150	130	345	305	145	130	135	135	350	305	315	325	340	140	155	180	210	225	245	170	155	165	150	155	8
15	260	135	145	150	150	150	145	135	130	315	320	315	150	155	305	320	315	280	170	155	165	150	150	155	8
16	145	130	120	145	150	125	140	145	60	330	325	325	320	285	315	310	345	20	55	85	90	110	145	130	7
17	145	160	155	155	150	140	120	0	330	330	345	345	330	215	140	200	215	270	275	250	160	140	160	145	8
18	160	275	225	235	290	245	275	60	10	210	205	185	180	190	185	180	200	190	180	165	140	170	175	170	9
19	175	170	175	180	140	170	180	190	220	250	250	255	295	310	310	280	305	310	295	270	305	310	320	310	15
20	115	145	140	130	140	140	150	130	305	330	315	290	315	310	325	345	65	65	85	140	150	220	130	140	7
21	125	125	135	135	130	130	110	80	330	325	330	315	315	315	290	325	300	25	85	150	155	160	165	155	7
22	150	120	135	130	130	130	130	340	325	345	0	110	195	165	180	145	225	210	210	200	165	165	165	155	7
23	165	165	165	155	155	170	35	160	190	260	240	195	155	145	145	305	245	150	150	135	145	145	145	140	8
24	215	315	140	195	165	190	135	115	200	250	260	315	310	210	175	175	180	165	310	320	165	140	155	160	9
25	285	145	150	155	140	130	135	145	130	315	260	275	125	330	325	330	150	145	250	215	150	160	200	165	9
26	275	140	135	120	130	155	140	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	330	330	315	330	250	205	235	210	165	155	125	145	250	165	190	16
28	210	230	225	230	115	125	10	5	340	330	315	230	205	255	230	215	190	180	165	170	160	165	170	170	9
29	185	160	180	205	165	165	175	180	210	250	180	160	165	175	175	160	165	170	165	130	140	140	140	140	9
30	315	220	165	265	125	285	340	325	315	95	15	330	315	275	270	275	305	310	310	305	250	230	160	160	15
31	135	125	120	135	110	105	125	105	320	325	330	310	305	310	325	330	310	330	310	330	115	130	120	125	7

ABOUT (21 JAN 61)

WIND DIRECTION (CC102)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 11

AUG, 1960

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SW	ESE	SE	SE	SE	SSE	SE	SSE	NNE	NNW	NW	NW	NW	NNW	SSW	SSW	SSW	ESE	SE	SE	SE	SE	SE	SE
2	SE	SE	SE	SE	ESE	ESE	ESE	ESE	W	NW	NW	NW	NW	NW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
3	E	SE	SE	SE	SE	SE	ESE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
4	W	E	SE	SE	W	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
5	SE	ESE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
6	W	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
7	W	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
8	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
9	SSE	SSE	SSE	SSE	ESE	ESE	ESE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
10	SSE	ESE	ESE	E	SE	SE	ESE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
11	SE	ESE	SE	SSE	ESE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
12	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
13	SE	SE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
14	SSE	SE	NNW	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
15	W	SE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
16	SE	SE	ESE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
17	SE	SSE	SSE	SSE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
18	SSE	W	SW	SW	SW	SW	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
19	S	S	S	S	S	S	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
20	ESE	SE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
21	SE	SE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
22	SSE	ESE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
23	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
24	SW	SW	SW	SW	SW	SW	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
25	NNW	SE	SSE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
26	W	SE	SE	SE	SE	SE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
28	SW	SW	SW	SW	SW	SW	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
29	W	SW	SW	SW	SW	SW	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
30	W	SW	SSE	W	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
31	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE
PV	SSE	SE	SE	SSE	SE	SSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	SSW	SSW	NW	NW	SE	SE	SE	SE	SE

WIND DIRECTION (CC1021)
 DEGREES
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 11
 SEP, 1980
 AFROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	100	105	115	140	110	120	115	25	335	330	335	335	320	340	325	320	305	70	115	150	185	160	130	145	A	
2	150	125	130	125	125	120	115	110	345	340	320	315	315	250	265	230	255	225	180	170	140	185	280	170	7	
3	175	190	280	300	140	205	130	235	315	325	310	325	315	310	300	310	310	315	310	280	130	125	140	125	15	
4	125	145	135	120	130	130	120	350	340	345	335	335	305	320	310	310	320	315	125	130	155	125	130	270	7	
5	120	145	115	130	135	125	125	90	350	335	335	335	315	315	310	315	320	320	350	105	155	155	160	165	7	
6	170	180	205	170	150	140	155	155	160	255	270	325	215	145	275	315	330	305	195	160	160	155	155	155	A	
7	195	170	120	350	140	195	235	315	320	315	335	145	325	310	310	310	155	165	150	140	155	145	140	275	7	
8	290	160	150	145	135	130	285	305	310	305	295	270	130	105	160	240	305	0	10	275	300	130	115	145	7	
9	130	140	145	125	115	135	135	125	115	110	115	100	65	30	15	35	330	310	310	310	310	320	315	315	320	7
10	305	340	350	335	340	290	120	120	340	350	320	250	300	150	140	135	125	165	185	210	185	135	215	250	(VA)	
11	185	190	145	125	155	165	140	245	245	210	240	250	245	260	250	295	295	295	295	260	245	230	195	180	12	
12	170	190	200	175	240	140	130	155	295	320	290	325	330	320	310	240	135	195	180	165	125	155	160	190	170	6
13	140	155	125	260	150	140	135	350	345	355	320	175	170	170	180	195	195	180	190	180	165	155	160	155	170	8
14	155	100	135	150	145	145	135	125	150	160	140	295	315	315	315	320	310	325	215	160	145	125	150	155	8	
15	150	130	115	120	130	120	120	90	100	335	320	330	315	300	280	245	235	240	220	205	210	195	190	255	A	
16	200	250	270	95	195	215	240	350	340	320	315	300	295	285	265	295	300	315	310	295	300	275	225	195	14	
17	115	130	145	150	180	170	150	135	5	285	305	285	290	290	300	290	310	305	295	265	125	150	145	150	14	
18	135	120	135	130	135	145	125	110	330	320	335	325	315	195	180	185	180	175	180	175	170	185	180	175	4	
19	165	175	170	175	180	180	175	175	200	245	280	275	240	245	265	310	320	315	295	320	345	320	300	150	9	
20	155	325	115	145	145	150	145	115	0	315	310	320	310	320	305	305	110	255	250	190	165	155	145	155	2	
21	180	135	190	310	150	275	145	175	325	315	330	330	315	310	310	315	315	310	320	315	305	170	120	85	15	
22	110	80	105	120	75	315	290	320	325	0	325	330	310	315	310	310	310	5	65	125	140	135	150	125	15	
23	125	125	130	125	125	120	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7	
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7	
25	130	115	110	105	130	120	325	280	305	325	315	315	320	305	310	320	315	310	10	135	125	125	135	140	15	
26	335	355	350	350	345	345	345	335	305	190	175	175	305	320	315	300	335	20	110	155	155	165	150	130	16	
27	130	125	155	135	125	135	125	120	35	330	330	315	310	305	320	320	325	0	100	135	160	155	130	140	7	
28	135	130	120	130	125	130	125	130	105	330	325	335	315	310	325	285	255	260	180	185	230	210	295	7		
29	125	125	130	125	135	130	120	115	355	315	315	330	330	320	315	340	345	325	145	135	135	135	130	130	7	
30	130	135	125	130	140	135	135	150	135	350	325	345	310	325	315	335	350	315	20	180	140	125	130	135	7	

AGOUT (21 JAN 81)

WIND DIRECTION ICC:021

WHITE RIVER SHALE PROJECT, W139
ROMANZA, UTAH
SITE 11

LEVEL HEIGHT 110 METERS

FINAL DATA
AS OF 31/MAR/81

SEP, 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ESE	ESE	SE	ESE	ESE	ESE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	ENE	ESE	SSE	S	SSE	SE	ESE	
2	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	ENE	ESE	SSE	S	SSE	SE	ESE	
3	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
4	SE	SE	SE	SE	SE	SE	SE	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
5	ESE	SE	SE	SE	SE	SE	SE	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
6	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
8	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
10	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
11	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
12	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
13	SE	SE	SE	SE	SE	SE	SE	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
14	SSE	E	SE	SSE	SE	SE	SE	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
15	SSE	E	ESE	ESE	SE	ESE	E	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
16	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
17	ESE	SE	SE	SSE	S	SSE	SE	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
18	SE	ESE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
19	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
20	SSE	N	ESE	SE	SE	SE	SE	ESE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
21	S	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
22	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
23	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
25	SE	ESE	ESE	ESE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
26	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
27	SE	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
28	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
29	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
30	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 OCT. 1980
 AEROSPIRENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	145	140	135	95	45	45	345	240	240	200	280	300	335	300	305	20	60	120	45	20	295	10	345	(VA)
2	120	110	125	105	125	130	130	115	110	110	100	65	15	335	265	260	105	110	110	140	155	125	140	140	6
3	130	130	130	140	145	140	115	130	45	330	335	320	300	330	300	315	310	105	140	135	140	140	130	7	7
4	130	130	125	125	125	135	140	115	360	330	320	315	325	325	315	335	330	145	145	155	140	135	130	7	7
5	120	135	125	110	120	130	125	110	325	320	315	310	305	300	305	325	310	140	135	125	135	140	140	7	7
6	30	145	120	115	120	140	150	155	125	335	335	335	315	315	320	305	310	295	270	140	140	145	155	155	7
7	135	135	135	125	125	130	125	120	70	320	310	320	315	300	330	340	325	300	105	120	135	140	130	145	7
8	130	130	135	135	135	135	135	135	345	330	330	330	315	350	110	130	50	130	140	150	150	140	145	7	7
9	130	130	125	125	130	135	135	125	345	325	325	315	315	335	335	330	320	35	125	145	130	135	125	7	7
10	120	135	110	125	125	125	130	125	110	345	90	40	330	320	340	325	330	295	320	90	105	115	115	120	6
11	125	130	130	135	140	130	135	335	330	320	325	325	315	315	275	30	65	190	195	190	180	190	250	195	7
12	245	270	305	10	90	335	330	180	320	315	305	290	315	280	150	125	145	155	175	200	285	285	160	125	15
13	140	265	305	110	145	30	120	10	335	330	320	330	325	130	150	150	165	170	275	315	245	175	175	140	7
14	145	125	130	130	240	40	145	205	35	335	105	340	115	100	90	355	150	150	155	305	90	350	140	135	7
15	135	150	150	145	150	200	175	135	150	165	165	165	165	175	175	165	140	155	125	130	70	25	310	320	8
16	310	320	305	290	285	305	10	90	95	105	105	100	25	345	330	320	185	290	240	275	290	285	300	300	15
17	315	355	145	165	170	185	210	205	220	315	295	290	290	300	290	275	245	305	310	295	280	265	150	145	18
18	150	165	165	160	160	160	165	165	160	185	320	290	320	320	290	95	150	255	115	165	170	150	140	145	8
19	150	135	125	130	135	140	140	130	85	325	330	315	320	305	330	325	315	310	255	125	135	135	145	130	7
20	125	135	140	130	130	130	135	140	340	340	325	315	300	305	310	310	310	325	105	155	150	145	160	155	7
21	130	125	130	125	135	155	125	130	85	335	315	320	305	320	305	260	155	35	160	155	160	170	145	140	8
22	165	160	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	240	290	280	285	300	305	305	305	325	320	330	290	325	335	15
23	90	225	135	115	95	115	120	100	105	90	65	10	315	290	260	250	295	110	135	130	115	130	140	120	6
24	105	120	125	125	115	130	130	120	90	325	315	305	300	315	305	290	290	285	245	140	145	125	120	120	6
25	115	110	110	125	115	110	115	95	305	310	305	300	300	300	305	270	95	25	120	115	120	170	125	120	6
26	120	125	125	120	120	130	215	125	290	290	300	295	285	300	305	15	135	110	125	240	295	290	290	140	(VA)
27	145	115	120	130	135	185	115	105	10	65	95	75	80	55	75	65	75	65	60	55	25	15	30	45	4
28	100	120	110	305	290	345	315	245	90	320	320	0	100	30	295	110	110	135	140	125	130	130	125	135	7
29	120	110	115	115	125	120	125	125	45	215	320	305	315	305	315	295	285	270	80	140	115	115	115	115	6
30	110	120	115	125	130	115	135	110	95	315	325	305	325	310	140	320	310	275	255	140	110	105	105	125	6
31	130	125	120	125	115	135	120	125	105	245	315	310	305	300	305	300	260	250	265	110	115	140	120	115	6

ABOUT (21 JAN 81)

WIND DIRECTION (CC#02)

WHITE RIVER SHALE PROJECT #139

RONANZA, UTAH

SITE 11

LEVEL HEIGHT 1 10 METERS

AS OF 31/MAR/81

OCT. 1980

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SE	SE	E	NE	NE	NNW	WSW	SSW	W	W	WNW	NNW	NNW	NW	NNE	ESE	ESE	NE	ENE	W	W	W	W
2	ESE	SE	SE	ESE	SE	SE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	ESE	ESE	SE	ESE	SE	SE	SE	SE
3	SE	SE	SE	SE	SE	SE	SE	SE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ESE	SE	SE	SE	SE	SE	SE	SE
4	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE	SE
5	ESE	SE	SE	SE	ESE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
6	NNE	SE	SE	ESE	ESE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
7	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ESE	ESE	SE	SE	SE	SE
8	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
9	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
10	ESE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
11	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE
12	WSW	N	N	N	E	NNW	NNW	S	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
13	SE	NNW	NNW	ESE	SE	NNE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
14	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
15	SE	SSE	SSE	SE	SSE	SSW	S	SE	SE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE
16	NNW	NNW	NNW	NNW	NNW	NNW	N	E	E	ESE	ESE	E	E	E	E	E	E	ESE	SE	SE	SE	SE	SE	SE	SE
17	NNW	N	SE	SSE	S	S	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SE	SE	SE	SE	SE	SE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
20	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
21	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
22	SSE	SSE	(HF)	(HF)	(HF)	(HF)	(HF)	(HF)	(HF)	(HF)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	E	SW	SE	ESE	E	ESE	ESE	E	ESE	E	E	E	E	E	E	E	E	ESE	SE	SE	SE	SE	SE	SE	SE
24	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
26	ESE	SE	SE	ESE	E	SE	SW	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
27	SE	ESE	ESE	ESE	SE	S	NNE	SE	N	E	E	E	E	E	E	E	E	ESE	SE	SE	SE	SE	SE	SE	SE
28	ESE	ESE	ESE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
29	ESE	ESE	ESE	ESE	SE	ESE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
30	ESE	ESE	ESE	ESE	SE	ESE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
31	SE	SE	SE	ESE	SE	ESE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S
PV	SE	SE	SE	SE	ESE	SE	SE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	S	S	S	S	S

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 NOV, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	120	120	120	130	120	115	115	135	135	310	310	350	310	295	190	245	295	205	135	125	210	140	150	120	7
2	115	115	120	120	120	120	135	230	35	295	330	125	325	0	305	310	305	280	175	130	125	135	125	140	7
3	125	125	125	130	120	145	120	120	350	320	45	325	325	325	310	310	310	45	100	130	120	150	160	120	7
4	140	120	125	135	130	125	130	120	105	310	300	305	295	310	300	70	125	130	285	145	150	130	120	110	7
5	105	110	110	115	115	105	120	110	100	305	315	305	315	305	300	285	270	250	150	100	100	100	115	115	6
6	130	125	125	135	110	130	115	115	255	310	305	355	350	335	135	310	275	215	160	185	205	190	170	140	7
7	275	295	105	175	50	130	100	320	300	310	305	330	310	265	240	245	225	175	160	160	170	210	245	185	15
8	300	300	305	305	310	295	215	165	120	125	120	145	145	120	120	130	120	125	110	110	140	160	155	320	7
9	180	175	165	120	205	210	175	200	185	150	325	285	285	210	120	115	95	155	170	100	100	315	320	315	9
10	305	310	310	240	130	230	175	145	130	120	125	125	140	140	135	210	120	125	120	115	245	115	35	310	7
11	140	185	190	140	290	160	165	170	170	255	235	260	255	155	135	135	160	150	170	150	150	175	175	170	A
12	180	200	230	155	170	305	310	100	155	150	285	340	100	105	185	115	100	105	100	110	100	105	110	105	6
13	105	105	90	95	105	100	100	100	105	110	100	105	120	130	125	120	125	120	115	110	105	110	105	55	6
14	25	35	355	100	90	25	85	105	125	135	125	135	120	130	125	120	125	120	130	125	175	285	310	330	6
15	310	335	80	65	85	100	55	70	60	115	110	110	105	115	135	120	135	100	125	125	120	115	95	140	6
16	130	130	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
22	155	165	160	150	165	160	265	305	175	105	100	325	325	320	280	160	130	150	140	135	155	320	135	130	8
23	120	115	135	125	120	135	125	130	325	320	320	325	315	335	325	335	275	160	200	145	355	295	340	7	
24	335	310	300	30	330	290	295	305	305	300	305	300	310	330	55	220	285	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	15
25	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	15
26	190	105	135	140	130	135	125	130	350	310	290	315	315	320	305	280	125	130	210	265	180	130	135	145	7
27	145	125	125	120	130	130	130	135	120	45	45	320	25	335	300	300	290	290	300	210	130	135	130	270	7
28	130	140	90	115	260	145	290	310	295	255	315	310	310	310	240	200	120	135	305	310	300	130	140	7	
29	105	255	120	160	125	135	185	125	100	260	315	315	315	315	145	125	280	300	140	145	310	335	320	7	
30	300	255	170	250	210	205	205	200	245	270	290	260	235	205	175	200	190	250	195	140	185	175	190	240	10
PV	7	7	6	7	6	7	6	6	6	15	15	15	15	15	14	7	7	7	7	7	7	7	7	7	7

WIND DIRECTION [CC102]

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 11

LEVEL HEIGHT : 10 METERS

NOV. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	ESE	ESE	SE	ESE	ESE	ESE	SE	SE	NW	NW	N	NW	WNW	S	WSW	WNW	SSW	SE	SE	SSW	SE	SSE	ESE	SE
2	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	WNW	NNW	SE	NW	N	NW	NW	WNW	W	S	SE	SE	SE	SSE	ESE	SE
3	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	N	NW	NE	NW	N	NW	NW	NW	NE	E	SE	ESE	SSE	SSE	ESE	SE
4	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	NW	WNW	NW	WNW	NW	WNW	ENE	SE	SE	WNW	SE	SSE	SE	SSE	ESE	SE
5	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	NW	NW	NW	NW	NW	WNW	WNW	W	E	E	E	E	ESE	ESE	SE
6	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	W	WNW	N	N	N	N	SE	NW	W	W	SSE	SSE	S	S	ESE	SE
7	W	WNW	ESE	ENE	NE	SE	E	NW	NNW	NW	NW	NW	NW	N	W	WSW	WSW	S	SSE	SSE	S	SSW	WSW	S	NW
8	WNW	WNW	NW	NW	NW	NNW	SW	SSE	ESE	S	SSE	SE	ESE	SE	W	WSW	WSW	S	ESE	ESE	SE	SSE	SSW	NW	SE
9	S	S	SSE	ESE	ESE	SSW	SSW	S	SE	S	S	SE	SE	SE	W	WSW	SSW	E	ESE	ESE	S	SSE	SSW	NW	SE
10	NW	NW	NW	WSW	SE	SW	S	SE	SE	ESE	SE	SE	SE	SE	W	WSW	SSW	SE	ESE	ESE	W	SSW	SSW	NW	SE
11	SE	S	S	SE	WNW	SSE	SSE	S	SSE	SSE	W	WSW	W	W	W	WSW	SSW	SSE	E	ESE	ESE	S	SSE	SSW	NW
12	SE	S	S	SE	WNW	SSE	SSE	S	SSE	SSE	W	WSW	W	W	W	WSW	SSW	SSE	E	ESE	ESE	S	SSE	SSW	NW
13	ESE	ESE	E	E	ESE	E	E	E	E	ESE	ESE	E	ESE	S	ESE	S	ESE	E	ESE	ESE	F	ESE	ESE	ESE	SE
14	NNE	NE	N	E	E	NNE	E	ESE	SE	SE	SE	SE	ESE	S	ESE	S	ESE	E	ESE	ESE	S	SSE	SSW	NW	
15	W	WNW	NW	E	ENE	E	E	ENE	ENE	ESE	ESE	ESE	ESE	ESE	E	ENE	ENE	E	SE	SE	S	SSE	SSW	NW	
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	W	WSW	SSW	ESE	ESE	ESE	S	SSE	SSW	NW	
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
22	SSE	SSE	SSE	SSE	SSE	SSE	W	NW	S	ESE	E	NW	NW	NW	NW	WNW	WNW	SSW	SE	SSE	SSW	SSW	NW	SE	
23	ESE	ESE	SE	SE	ESE	SE	SE	SE	SE	NW	NW	NW	NW	NW	W	WSW	SSW	SE	SE	SE	SSW	NW	SE	SE	
24	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	W	SSW	SSW	S	SSW	NW	SE	
25	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	(IR)	SE
26	S	ESE	SE	SE	SE	SE	SE	SE	SE	N	NW	NW	NW	NW	N	W	SSW	SE	SE	SE	W	SE	SE	SE	SE
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	NE	NE	NE	NE	NE	NW	WNW	WNW	SSW	SE	SE	W	SE	SE	SE	SE
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	W	WNW	W	NW	NW	NW	WSW	SSW	ESE	SE	NW	NE	WNW	SE	SE	SE
29	ESE	WSW	ESE	SSE	SE	S	SE	E	E	W	NW	NW	NW	NW	NW	SE	SE	W	WNW	SE	SE	WNW	WNW	SE	SE
30	WNW	WSW	S	WSW	SSW	SSW	SSW	W	W	W	WNW	W	SW	SSW	S	SSW	S	WSW	SSW	S	S	S	S	W	SSW
PV	SE	SE	ESE	SE	ESE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 DEC. 1980
 AEROPROVEMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	225	300	325	325	290	295	300	295	305	300	310	305	280	275	280	250	245	250	145	145	145	130	125	130	14
2	125	140	210	315	140	155	55	135	325	305	310	305	130	260	295	295	20	155	155	155	120	235	115	140	7
3	310	320	190	110	125	160	230	280	265	295	310	65	275	180	290	180	175	160	180	190	175	190	170	175	9
4	155	165	165	175	170	175	170	170	175	180	170	175	180	185	185	215	180	175	175	175	165	170	175	160	9
5	165	165	155	170	170	175	175	200	320	330	310	310	315	305	190	265	300	290	145	120	145	140	115	135	(VA)
6	125	265	265	220	165	275	210	310	285	325	120	125	80	65	330	95	180	150	280	260	260	295	280	14	
7	295	50	190	150	315	130	120	130	335	315	335	340	325	325	20	350	300	60	95	120	110	110	115	115	(VA)
8	105	90	110	125	105	105	75	235	115	65	335	345	310	310	310	300	270	220	130	125	135	165	155	160	7
9	160	125	125	125	125	50	25	295	300	315	305	320	320	285	320	295	150	135	155	155	145	125	135	135	7
10	140	135	135	130	125	120	130	115	125	125	115	125	325	300	285	315	305	270	250	195	125	145	130	130	7
11	115	125	155	165	110	220	220	160	240	325	330	325	310	310	305	245	260	210	135	120	130	125	135	150	7
12	130	130	120	115	120	130	130	125	120	340	315	315	300	305	295	310	170	200	130	130	135	130	60	125	7
13	120	135	130	135	130	130	125	125	125	28	325	325	315	315	320	300	320	105	125	150	160	125	125	120	7
14	125	125	120	125	130	120	150	45	130	140	340	315	315	315	305	310	270	135	125	125	160	150	155	135	7
15	140	145	130	130	135	215	205	135	115	120	315	315	295	85	120	15	160	305	325	215	145	125	150	135	7
16	150	140	130	165	120	135	165	220	150	125	330	310	310	315	315	310	300	190	315	10	125	125	120	135	7
17	130	135	130	130	140	130	125	315	0	120	240	325	310	310	295	290	275	255	140	85	105	30	115	285	7
18	145	130	120	130	135	115	125	120	130	115	340	315	205	205	215	210	210	180	40	170	225	45	305	35	7
19	25	20	25	20	30	40	30	25	20	210	215	225	210	200	195	190	190	185	215	5	0	15	25	30	2
20	125	120	125	110	110	175	115	105	10	290	330	330	215	245	205	195	180	115	310	55	70	35	25	85	6
21	30	40	35	50	50	50	65	40	250	215	225	235	230	215	245	45	215	335	115	80	165	145	205	215	11
22	65	115	115	110	145	230	275	255	265	10	300	290	15	115	255	165	160	155	160	225	270	290	245	190	(VA)
23	0	110	110	175	205	135	145	205	90	205	260	255	270	315	280	245	5	130	130	130	120	125	140	140	7
24	115	115	140	105	110	120	100	130	95	130	305	305	210	205	205	195	180	185	35	10	25	75	45	160	4
25	150	295	270	95	100	60	110	115	110	110	300	295	295	295	295	220	280	150	125	130	110	120	125	115	6
26	120	140	115	130	250	150	125	135	115	95	300	300	300	300	345	295	300	270	260	110	115	120	130	130	6
27	135	135	120	110	30	120	115	140	100	105	25	10	300	310	280	260	285	275	120	335	130	285	285	125	6
28	135	115	135	120	120	120	330	155	310	105	95	310	300	295	305	305	290	220	110	100	100	105	105	110	6
29	120	120	110	110	110	115	115	100	100	290	275	285	290	290	240	275	200	110	115	125	115	120	120	120	6
30	65	130	135	135	130	140	115	110	115	75	310	315	315	295	290	285	265	280	175	110	105	40	95	90	6
31	125	120	135	120	125	125	125	130	120	105	355	295	315	300	300	300	300	245	150	135	155	120	105	120	7

WIND DIRECTION ICC1021

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH

SITE 11

LEVEL HEIGHT 10 METERS

DEC. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SW	SW	SW	NW	WNW	WNW	WNW	NW	NW	NW	NW	NW	W	W	W	WSW	WSW	WSW	SE	SE	SE	SE	SE	SE	WNW
2	SE	SE	SSW	NW	SE	SE	SE	NW	NW	NW	NW	NW	SE	W	W	WNW	NW	WSW	SE	SE	SE	SE	SE	SE	SE
3	NW	NW	S	ESE	SE	S	SW	W	WNW	WNW	WNW	E	W	S	WNW	S	SSE	S	S	S	S	S	S	S	S
4	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SE	W	N	SW	SSE	W	SSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
7	WNW	NE	S	SSE	NW	SE	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E	E	E	E	E	E	E	E
8	ESE	E	ESE	SE	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	NW	NW	NW	NW	NW	ENE	E	ESE	ESE	ESE	ESE	ESE	ESE
9	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
11	ESE	SE	SSE	SSE	ESE	SW	SSW	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
13	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
16	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
19	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
21	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
22	ENE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
23	ENE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
24	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
25	SSE	WNW	W	F	E	ENE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
26	ESE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
29	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
30	ENE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
31	SE	FAE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE

TEMPERATURE (CC8031)

DEGREES CELSIUS

LEVEL HEIGHT 2 10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 11

JAN, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	-12	-12	-12	-13	-13	-14	-14	-13	-13	-11	-9	-9	-9	-8	-9	-10	-10	-11	-12	-12	-12	-13	-13	-12	-11
2	-12	-12	-12	-13	-12	-12	-12	-12	-12	-11	-10	-10	-10	-11	-10	-10	-10	-11	-12	-12	-12	-13	-13	-12	-11
3	-14	-14	-14	-14	-15	-15	-16	-16	-15	-14	-13	-12	-12	-12	-12	-13	-13	-13	-13	-13	-13	-14	-14	-13	-12
4	-13	-14	-14	-14	-14	-14	-14	-14	-14	-13	-13	-13	-13	-13	-13	-13	-13	-13	-14	-14	-14	-15	-15	-13	-11
5	-14	-14	-14	-15	-15	-16	-16	-16	-15	-15	-12	-12	-12	-12	-11	-12	-13	-14	-14	-15	-15	-15	-15	-15	-14
6	-14	-8	-10	-13	-14	-14	-13	-12	-10	-7	-6	-5	-3	-3	-5	-7	-8	-10	-12	-11	-11	-11	-11	-9	-3
7	-11	-12	-12	-13	-13	-13	-14	-14	-14	-12	-9	-8	-8	-8	-7	-7	-8	-8	-8	-8	-9	-9	-10	-10	-7
8	-9	-9	-10	-9	-10	-10	-10	-9	-8	-4	-5	-6	-5	-4	-3	-3	-3	-1	-1	-2	-2	-2	-2	-5	-1
9	-2	-2	-2	-2	-2	-3	-3	-2	-2	-1	(M1)	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-3	-3	-2	-1
10	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
11	-15	-16	-16	-17	-18	-18	-19	-19	-19	-17	-14	-14	-13	-8	-10	-13	-13	-13	-13	-13	-13	-13	-13	-13	-5
12	-13	-13	-13	-13	-13	-13	-14	-14	-14	-13	-12	-12	-10	-10	-10	-10	-9	-11	-11	-12	-12	-12	-12	-12	-9
13	-13	-13	-13	-13	-11	-11	-11	-10	-10	-8	-6	-6	-6	-5	-2	-4	-2	2	2	2	2	2	2	2	-6
14	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	-5	-5	-6	-6	-6	-6	-7	-7	-7	-6	-5	-5	-5	-4	-2	-3	-5	-5	-6	-7	-7	-7	-7	-6	
16	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-5	-5	-5	-5	-5	-5	-6	-6	-7	-7	-7	-7	-7	-6	
17	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
18	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
19	-10	-10	-11	-12	-12	-12	-12	-12	-13	-13	-11	-10	-10	-10	-10	-10	-11	-12	-12	-13	-13	-13	-14	-14	-10
20	-15	-15	-14	-14	-13	-13	-14	-13	-13	-10	-10	-11	-11	-11	-11	-11	-11	-12	-12	-13	-13	-13	-13	-13	-10
21	-13	-13	-13	-13	-13	-13	-13	-12	-12	-12	-11	-10	-11	-10	-11	-11	-11	-11	-11	-11	-12	-12	-12	-12	-9
22	-12	-12	-12	-12	-13	-13	-13	-12	-12	-11	-10	-9	-9	-9	-9	-8	-8	-9	-10	-10	-10	-10	-10	-10	-8
23	-13	-13	-14	-15	-16	-16	-15	-16	-15	-14	-12	-13	-12	-12	-12	-13	-12	-13	-13	-13	-13	-13	-13	-13	-11
24	-13	-13	-13	-14	-14	-14	-14	-14	-14	-13	-12	-12	-12	-11	-12	-12	-12	-12	-12	-12	-12	-13	-13	-13	-12
25	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-11
26	-12	-14	-14	-15	-14	-15	-16	-17	-16	-14	-14	-12	-11	-11	-10	-10	-11	-13	-15	-16	-17	-17	-18	-18	-10
27	-18	-18	-18	-18	-18	-18	-18	-18	-18	-17	-15	-15	-15	-15	-15	-15	-16	-17	-17	-17	-17	-17	-17	-17	-15
28	-12	-12	-12	-12	-13	-13	-13	-13	-14	-13	-12	-12	-11	-10	-11	-11	-12	-12	-13	-13	-13	-13	-13	-13	-10
29	-15	-15	-15	-15	-15	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-13
30	-13	-15	-17	-16	-16	-19	-20	-19	-16	-14	-14	-15	-14	-14	-14	-14	-14	-15	-15	-15	-15	-15	-15	-15	-7
31	-22	-24	-24	-24	-25	-25	-26	-26	-25	-23	-20	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-20	-21	-21	-10
AV	-11	-11	-12	-12	-12	-12	-12	-12	-11	-10	-9	-9	-9	-9	-8	-9	-9	-10	-10	-11	-11	-11	-11	-11	-11
SD	5	5	5	5	5	5	5	6	5	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	4

TEMPERATURE (CC/03)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 11

FEB, 1980

AEROVIRONMENT INC.

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* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/81 * * * * *
* * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	-21	-21	-21	-21	-21	-21	-22	-22	-21	-18	-17	-16	-17	-17	-16	-15	-17	-17	-17	-18	-19	-18	-19	-19	-19	-15
2	-19	-20	-20	-20	-20	-21	-21	-20	-14	-16	-15	-14	-14	-14	-12	-12	-12	-14	-14	-17	-18	-16	-16	-15	-16	-9
3	-15	-15	-15	-15	-15	-15	-15	-16	-12	-11	-10	-8	-7	-8	-9	-9	-11	-12	-13	-14	-14	-14	-14	-13	-14	-7
4	-12	-12	-12	-12	-13	-14	-14	-14	-13	-11	-8	-7	-8	-9	-9	-7	-8	-9	-11	-12	-13	-13	-13	-13	-13	-7
5	-14	-14	-14	-15	-16	-16	-16	-16	-14	-12	-10	-9	-8	-6	-7	-8	-10	-10	-12	-12	-13	-13	-13	-13	-12	-6
6	-13	-13	-13	-13	-14	-15	-15	-15	-14	-13	-12	-11	-10	-9	-9	-10	-11	-11	-11	-11	-11	-12	-11	-11	-12	-9
7	-10	-11	-11	-10	-11	-10	-11	-10	-9	-6	-7	-6	-4	-3	-4	-5	-6	-7	-8	-9	-9	-9	-11	-12	-8	
8	-11	-13	-14	-15	-15	-16	-16	-15	-14	-11	-11	-13	-12	-12	-12	-13	-13	-13	-16	-17	-18	-18	-18	-18	-14	-11
9	-20	-20	-23	-24	-23	-24	-23	-23	-21	-18	-15	-16	-15	-14	-12	-12	-15	-16	-17	-17	-19	-20	-20	-20	-19	-12
10	-22	-21	-23	-22	-23	-22	-22	-22	-20	-18	-17	-15	-14	-14	-13	-13	-16	-16	-17	-18	-19	-20	-19	-20	-19	-13
11	-21	-22	-22	-21	-22	-23	-23	-23	-19	-16	-17	-15	-11	-10	-10	-11	-12	-13	-14	-14	-15	-16	-17	-16	-17	-10
12	-19	-20	-21	-20	-20	-20	-21	-21	-17	-16	-16	-13	-12	-11	-11	-12	-13	-13	-15	-15	-16	-16	-16	-16	-16	-11
13	-16	-17	-17	-16	-17	-17	-17	-17	-14	-12	-10	-9	-8	-8	-6	-6	-10	-10	-11	-12	-13	-12	-12	-12	-12	-6
14	-13	-13	-13	-12	-12	-12	-11	-11	-10	-8	-7	-5	-8	-7	-7	-6	-7	-8	-8	-8	-9	-9	-9	-10	-9	-5
15	-10	-10	-10	-10	-9	-9	-9	-9	-9	-6	-3	-1	-2	-2	-2	-2	-4	-4	-6	-6	-5	-5	-5	-6	-7	-3
16	-10	-10	-10	-10	-11	-11	-10	-10	-10	-8	-5	-5	-5	-4	-4	-3	-5	-5	-6	-6	-5	-5	-5	-6	-7	-3
17	-8	-8	-7	-7	-7	-7	-7	-7	-6	-5	-5	-5	-5	-4	-4	-2	-2	-3	-4	-3	-3	-3	-3	-3	-3	0
18	-3	0	0	-1	-1	0	-3	-2	-2	2	4	5	4	4	4	4	3	3	3	2	2	2	2	2	2	5
19	-3	-3	-4	-4	-4	-4	-4	-2	-1	2	4	5	4	4	4	4	3	3	3	2	2	2	2	2	2	5
20	-5	-4	-4	-4	-4	-4	-4	-3	-3	-2	-1	0	0	3	2	3	1	0	0	0	0	0	0	0	0	5
21	-3	-3	-3	-4	-5	-4	-4	-4	-2	1	1	0	1	1	1	1	-2	-3	-4	-5	-5	-5	-5	-5	1	
22	-6	-6	-5	-5	-5	-5	-5	-5	-3	-1	-1	-1	-1	0	1	1	1	0	-1	-2	-2	-2	-2	-2	1	
23	-5	-5	-5	-5	-5	-5	-4	-4	-3	-3	-2	-1	-2	-1	0	-1	-2	-2	-3	-3	-3	-3	-3	-3	0	
24	-7	-7	-9	-8	-8	-8	-9	-9	-6	-6	-5	-4	-4	-3	-2	-1	-1	-1	-2	-3	-3	-3	-3	-3	-1	
25	-9	-9	-9	-9	-10	-10	-10	-10	-6	-5	-4	-4	-4	-3	-2	-1	-1	-2	-3	-4	-5	-5	-5	-5	-1	
26	-9	-8	-8	-8	-8	-8	-8	-8	-6	-5	-4	-4	-2	-1	0	1	1	1	0	-1	-2	-2	-2	-2	-1	
27	-6	-6	-6	-6	-7	-7	-7	-7	-4	-3	-2	-2	-2	-1	0	1	2	1	0	-1	-2	-2	-2	-2	0	
28	-4	-5	-5	-5	-5	-6	-6	-6	-3	-1	2	2	2	3	4	4	5	3	2	0	0	0	0	0	0	
29	-3	-4	-4	-4	-5	-5	-5	-3	-2	-1	0	0	2	3	4	4	4	4	3	0	0	0	0	0	0	
AV	-11	-11	-11	-11	-11	-12	-12	-12	-10	-8	-7	-6	-6	-6	-5	-5	-6	-6	-7	-8	-8	-8	-9	-9	-8	1
SD	6	6	6	6	6	7	6	7	6	7	6	6	6	6	6	6	6	6	6	6	7	6	6	6	6	1

TEMPERATURE (CC031)
 DEGREES CELSIUS
 LEVEL HEIGHT 8 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 11
 MAR, 1980
 AEROTRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFK
1	-3	-4	-4	-4	-4	-3	-4	-3	-2	-1	0	0	-1	1	1	1	1	1	0	0	-1	-3	-3	-4	-2	1
2	-6	-7	-7	-8	-8	-8	-8	-7	-7	-5	-2	-2	-2	1	2	2	2	2	1	0	0	-2	-2	-2	-2	2
3	-3	-3	-3	-3	-4	-4	-4	-4	-2	-1	0	4	4	3	3	2	2	2	-2	-2	-1	-1	-1	-1	-1	4
4	-4	-4	-4	-4	-4	-4	-4	-4	0	2	3	3	4	3	3	2	2	2	1	1	1	1	1	1	1	3
5	-4	-4	-4	-4	-2	-2	-2	-3	0	2	3	4	5	4	4	4	4	5	5	5	5	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	-5	-6	-6	-6	-6	-6	-6	-5	-3	-2	-1	-1	-1	1	1	1	1	1	0	-1	-2	-3	-3	-3	1	
8	-5	-4	-5	-6	-7	-7	-7	-7	-4	-3	-2	-2	-1	1	2	2	2	2	1	0	-1	-2	-3	-4	2	
9	-6	-7	-7	-8	-8	-8	-8	-7	-4	-2	0	1	1	1	2	2	2	2	1	-1	-2	-3	-4	-4	2	
10	-6	-5	-6	-6	-5	-5	-5	-4	-3	-3	0	1	0	2	3	3	3	2	1	-1	-2	-3	-4	-4	2	
11	-5	-6	-6	-7	-7	-7	-7	-5	-3	-3	0	1	1	3	3	3	2	1	-1	-1	-2	-3	-4	-4	3	
12	-2	-4	-5	-4	-4	-5	-6	-6	-6	-4	-3	-2	-3	-3	-3	-2	-3	-3	-3	-5	-5	-7	-7	-7	-2	
13	-8	-8	-9	-9	-9	-10	-10	-9	-6	-4	-2	-1	-1	1	2	2	2	2	1	0	-1	-1	-1	-1	3	
14	-3	-4	-5	-4	-5	-5	-4	-4	0	3	4	5	5	4	4	4	4	5	6	5	5	2	2	4	4	
15	3	4	3	3	1	0	2	2	2	3	5	5	5	5	5	5	6	6	7	5	1	1	0	0	4	
16	-3	-5	-6	-7	-8	-8	-9	-10	-9	-8	-7	-7	-5	-5	-5	-5	-5	-6	-7	1	1	0	-1	-2	3	
17	-11	-13	-12	-12	-13	-12	-11	-11	-9	-8	-5	-2	-2	-1	0	2	3	4	3	-3	-3	-5	-6	-6	2	
18	-6	-8	-8	-9	-10	-10	-10	-10	-8	-5	-3	-1	0	2	3	3	4	4	2	0	-2	-3	-3	-3	4	
19	-4	-5	-6	-6	-7	-8	-7	-5	-1	0	1	2	3	3	4	5	4	4	2	2	-1	-2	-3	-3	4	
20	-5	-5	-5	-7	-8	-8	-7	-6	-3	-2	0	1	4	4	5	6	6	4	3	2	2	2	-1	-2	5	
21	-2	-1	-1	-2	0	0	-1	0	2	5	6	7	7	7	7	7	7	2	-2	-2	-2	-2	-2	-2	7	
22	-5	-5	-5	-5	-6	-5	-5	-5	-5	-5	-3	-2	0	1	2	1	-1	-1	-2	-3	-4	-4	-4	-4	2	
23	-4	-4	-4	-4	-5	-5	-5	-3	-2	1	2	2	4	4	4	3	2	2	1	0	-1	-1	-1	-1	5	
24	-4	-4	-4	-4	-5	-5	-5	-3	-2	1	2	2	4	4	4	3	2	2	1	-1	-3	-5	-5	-6	2	
25	-6	-7	-7	-7	-8	-8	-8	-8	-7	-7	-7	-7	-6	-6	-6	-5	-6	-6	-7	-8	-8	-8	-8	-8	5	
26	-8	-8	-9	-9	-9	-10	-11	-10	-8	-7	-5	-6	-6	-6	-6	-5	-6	-6	-7	-8	-8	-8	-8	-8	2	
27	-8	-8	-9	-11	-11	-11	-10	-8	-6	-5	-4	-4	-3	-2	-2	-3	-2	-2	-4	-5	-6	-6	-6	-6	2	
28	-7	-7	-7	-8	-8	-8	-8	-7	-6	-5	-4	-3	-2	-2	-2	-2	-2	-2	-6	-6	-7	-7	-7	-7	1	
29	-6	-6	-6	-6	-8	-9	-9	-7	-5	-4	-4	-3	-2	-2	-2	-2	-3	-3	-4	-5	-6	-6	-6	-6	2	
30	-5	-4	-5	-5	-5	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	3	
31	-13	-14	-15	-15	-15	-15	-15	-14	-12	-10	-8	-6	-5	-5	-5	-5	-5	-6	-6	-7	-8	-8	-8	-8	5	
AV	-5	-5	-6	-6	-6	-7	-7	-6	-4	-3	-1	0	0	1	1	1	1	0	-1	-2	-3	-4	-4	-5	-1	
SD	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	3	3	3	3	3	3	3	1

ABOUT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

APR, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-8	-7	-9	-8	-9	-9	-9	-8	-6	-5	(CA) -9	-2	-2	-1	-2	-3	-3	-3	-3	-6	-6	-7	-6	-8	-6	-1	
2	-8	-7	-8	-8	-8	-8	-10	-10	-9	-8	-9	-8	-7	-6	-6	-4	-4	-4	-3	-4	-5	-7	-7	-8	-6	-3	
3	-11	-11	-11	-12	-12	-12	-10	-10	-7	-4	-2	0	0	1	0	1	1	0	0	-2	-2	-3	-3	-3	-5	1	
4	-3	-3	-3	-4	-5	-5	-6	-3	-3	0	2	3	6	6	7	8	7	7	5	3	2	2	1	1	1	8	
5	-1	-2	-2	-3	-3	-3	-2	-3	1	2	(CA) 5	6	4	5	6	5	8	8	5	4	2	1	0	0	3	9	
6	0	0	0	-1	-2	-1	1	1	2	(CA) 5	6	4	4	5	6	5	5	5	4	3	1	-1	-1	-2	2	6	
7	-2	-3	-5	-7	-6	-6	-6	-6	-5	-3	-2	-1	-2	-2	-1	-1	-1	-2	-3	-3	-4	-4	-4	-7	-4	-1	
8	-9	-9	-10	-10	-10	-10	-7	-7	-6	-4	-1	1	1	2	3	4	4	4	3	1	0	-1	-2	-2	-3	4	
9	-3	-3	-5	-6	-7	-7	-5	-4	-2	1	4	5	6	8	10	11	10	10	8	7	6	5	4	3	2	11	
10	3	3	2	2	2	2	3	3	3	3	4	5	5	4	4	4	3	2	1	0	-1	-3	-3	-3	2	5	
11	-5	-6	-7	-7	-7	-7	-7	-7	-6	-3	-2	-1	-2	-1	1	1	1	1	-1	-2	-2	-3	-3	-5	-3	1	
12	-6	-7	-7	-8	-9	-9	-9	-6	-4	-2	0	1	1	0	0	0	0	0	-1	-2	-3	-4	-4	-5	-4	1	
13	-7	-7	-8	-9	-9	-10	-9	-7	-5	-4	-1	0	2	2	3	4	5	6	5	2	1	-1	-2	-1	-2	6	
14	-4	-4	-6	-7	-8	-7	-6	-3	1	3	5	9	9	9	10	11	11	11	10	8	6	5	5	3	3	11	
15	2	0	0	0	-3	-3	-2	1	5	5	(CA) 10	10	10	11	12	13	12	11	10	8	7	6	5	4	5	13	
16	2	-1	-2	-3	-5	-4	1	1	3	6	8	9	9	10	10	11	11	11	10	8	7	6	5	4	5	13	
17	1	1	1	0	-1	-1	1	1	1	6	10	12	13	14	14	14	14	14	13	11	7	5	3	2	4	11	
18	5	1	0	-1	-2	-2	-1	1	6	8	11	14	14	15	16	17	17	17	16	13	11	9	8	7	9	17	
19	6	4	2	2	0	-1	1	3	8	10	12	15	16	17	18	19	20	19	17	15	12	11	10	9	10	20	
20	8	6	3	3	2	2	1	5	7	11	14	17	16	19	21	20	19	19	18	15	13	11	11	10	11	21	
21	9	8	11	10	9	9	9	13	15	15	15	16	16	15	11	11	10	10	6	6	6	5	4	3	10	16	
22	3	2	2	1	1	0	0	2	4	6	9	11	11	12	13	13	13	13	12	10	8	8	8	7	7	13	
23	5	3	3	4	5	5	5	5	4	5	7	8	5	5	5	5	5	5	5	4	4	4	4	4	5	8	
24	2	1	1	2	1	2	2	3	4	5	6	6	7	8	9	9	9	9	9	8	7	7	5	4	5	9	
25	3	2	2	1	0	-2	1	2	5	7	8	9	11	12	13	13	14	13	12	10	9	9	7	6	7	18	
26	4	3	1	-1	-2	1	3	5	6	6	9	10	11	12	13	13	13	13	13	10	8	6	5	4	6	13	
27	2	1	0	0	-1	-1	2	4	7	10	14	14	13	15	14	15	14	14	13	12	10	8	8	7	8	15	
28	7	6	6	6	5	2	2	7	8	12	14	15	15	16	15	16	15	14	14	12	10	10	9	9	10	16	
29	8	6	4	4	5	7	7	8	10	12	14	16	16	16	17	14	7	8	7	6	4	4	5	5	9	17	
30	3	2	1	1	1	1	1	2	4	4	7	8	5	2	4	5	6	7	5	4	5	4	5	4	4	8	8
AV	0	-1	-1	-2	-3	-3	0	2	4	4	6	6	6	6	6	6	9	8	7	5	4	3	2	2	3	1	
90	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	6	6	6	6	6	6	5	5	5	5	5	1

AGOST (29 JAN 81)

TEMPERATURE (CC.03)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 11

MAY, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3	3	3	3	3	4	4	5	6	9	11	13	11	12	11	9	9	9	9	7	6	6	6	4	7	13	
2	4	4	4	3	3	3	4	4	6	10	11	12	10	12	12	12	11	11	10	9	8	7	7	6	4	12	
3	5	5	4	3	3	2	3	5	7	8	11	13	14	15	16	17	16	14	13	11	9	8	8	8	9	17	
4	6	6	6	5	4	3	4	7	9	11	13	14	15	15	15	15	15	13	11	10	9	3	3	3	4	15	
5	4	4	4	3	2	3	5	7	7	9	12	13	14	12	9	11	10	9	8	7	6	5	6	6	7	13	
6	5	5	5	5	4	5	7	10	12	12	13	13	10	9	7	8	8	8	8	7	6	6	6	5	4	13	
7	6	5	5	5	5	5	6	9	9	7	7	7	7	7	7	7	7	7	7	7	7	6	3	3	7	13	
8	3	3	3	3	4	4	4	5	6	6	10	6	10	9	11	12	13	13	10	5	4	3	3	3	3	7	13
9	5	4	5	4	4	2	4	5	8	9	9	8	8	8	9	9	5	4	4	3	3	2	2	2	2	5	9
10	2	2	0	3	3	0	3	5	7	8	9	9	8	10	11	10	10	5	3	2	1	0	0	0	5	11	
11	1	1	0	0	-1	-2	-2	0	1	3	2	1	3	3	4	2	2	-1	-2	-1	-1	-1	-3	-3	0	4	
12	-3	-4	-3	-3	-3	-3	-3	-3	-1	-1	0	0	4	5	5	5	5	2	-1	-1	-1	-1	-2	-1	0	5	
13	-1	-2	-2	-2	-4	-4	-2	0	1	2	4	5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	5	
AV	3	3	3	2	2	2	2	4	6	7	6	9	10	10	11	11	10	9	7	6	5	4	4	3	6	17	
SD	3	3	3	2	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	4	4	3	3	3	4	17	

TEMPERATURE (CCI03)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

JUN, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	5	5	4	4	4	5	6	10	11	12	12	15	15	12	11	12	9	7	5	4	3	2	4	15	
2	2	2	1	0	0	2	3	7	12	13	14	15	16	16	17	17	17	17	16	16	14	12	11	12	11	
3	10	11	11	8	8	8	11	13	14	16	17	18	19	19	20	20	20	20	19	17	15	14	12	11	15	
4	12	11	12	10	11	12	15	16	17	19	20	21	21	21	21	21	21	21	20	18	17	17	16	15	16	
5	13	12	9	6	7	9	14	16	16	18	20	20	21	21	21	21	21	20	18	17	17	16	15	16	21	
6	13	12	9	11	12	13	13	15	17	17	18	19	20	20	20	22	20	17	16	15	14	13	12	9	15	
7	7	6	5	4	4	5	7	9	12	13	15	16	17	18	19	20	20	20	18	16	16	14	13	11	13	
8	6	9	6	5	4	4	6	10	13	15	16	21	22	23	23	23	22	22	20	19	17	14	13	15	23	
9	10	9	7	7	7	7	10	13	14	16	18	20	22	23	24	24	25	24	22	19	18	17	15	17	25	
10	13	13	9	8	7	7	10	15	19	22	24	26	26	27	27	27	27	26	24	22	20	19	19	19	27	
11	15	16	16	15	15	14	15	19	20	25	26	26	24	25	25	25	26	26	25	22	20	19	18	18	26	
12	16	16	16	15	14	14	16	19	21	22	23	24	24	24	24	24	23	23	23	21	19	18	15	13	24	
13	10	11	11	10	8	9	12	14	15	20	22	22	23	24	24	23	23	23	23	21	19	19	19	14	17	
14	12	12	10	11	10	10	13	17	19	20	21	22	22	22	23	23	23	23	21	14	15	13	12	10	17	
15	8	6	5	4	4	6	6	11	13	13	15	16	15	17	17	17	17	17	16	15	15	13	12	9	12	
16	9	9	8	7	6	7	9	11	13	17	15	16	17	18	18	19	20	19	18	18	15	13	11	10	13	
17	9	8	7	6	5	6	9	13	14	17	19	22	23	24	25	24	23	23	23	21	19	17	16	15	16	
18	15	13	11	11	10	10	12	15	16	20	23	24	24	26	27	26	26	25	25	24	22	19	18	16	19	
19	15	15	14	13	12	13	14	18	19	20	24	24	24	23	23	24	23	24	25	24	22	17	16	14	19	
20	12	11	11	10	9	9	12	14	17	19	22	23	24	27	27	26	26	26	25	23	21	20	18	17	25	
21	16	15	13	12	12	12	13	17	18	21	23	25	25	24	24	25	24	25	22	22	20	18	16	14	19	
22	15	14	12	12	9	10	13	15	18	20	22	24	25	27	27	28	27	26	24	24	21	18	16	14	25	
23	20	20	16	16	15	16	18	21	22	24	25	26	27	28	27	28	27	26	24	24	21	18	16	14	20	
24	15	14	12	11	9	8	12	15	17	20	24	25	25	27	27	26	26	26	24	24	21	19	16	14	28	
25	17	16	16	14	12	12	14	17	19	25	27	27	27	28	29	28	28	28	26	24	22	21	21	21	20	
26	17	17	17	17	14	13	17	21	25	26	27	28	28	29	30	29	29	28	26	26	24	23	22	19	22	
27	18	16	16	15	14	14	14	15	16	17	19	21	22	23	23	30	29	28	26	24	22	23	22	21	23	
28	12	10	8	7	6	6	10	11	13	17	19	20	22	23	24	25	25	26	27	25	20	17	14	14	19	
29	14	14	14	13	13	14	16	19	19	22	25	26	28	28	29	30	29	26	24	24	23	22	22	20	21	
30	18	18	17	16	16	15	16	17	20	18	19	19	19	20	23	23	24	24	23	22	15	14	13	13	14	
AV	13	12	11	10	9	10	12	15	17	19	20	21	22	23	23	24	23	23	22	21	18	17	16	14	17	
SD	4	4	4	4	4	4	5	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11
JUL, 1960
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	10	9	10	9	9	10	11	12	13	14	14	16	19	19	19	16	17	15	13	13	13	12	11	11	13	19	
2	10	10	10	10	9	9	9	10	12	13	16	17	15	15	18	18	19	19	18	16	15	14	13	13	13	14	19
3	12	11	10	10	10	10	12	15	17	19	19	21	20	21	23	24	24	25	24	21	20	17	15	13	17	25	
4	12	11	12	11	12	12	14	16	16	19	19	22	24	22	24	24	25	26	26	24	21	18	17	16	14	26	
5	15	15	14	13	12	11	13	17	18	20	23	24	27	27	27	27	28	28	28	26	24	23	19	21	28	29	
6	19	17	16	14	13	12	14	18	20	22	26	27	27	28	29	29	28	26	26	25	23	22	21	20	22	29	
7	18	17	16	15	14	14	16	17	18	22	23	25	25	23	22	22	22	21	20	18	17	16	15	14	19	25	
8	14	13	13	13	13	13	14	17	18	20	20	22	23	22	24	25	24	21	18	15	14	13	12	11	17	25	
9	10	9	8	8	8	7	11	12	14	17	19	21	23	24	25	26	28	26	25	24	22	21	20	19	14	24	
10	17	16	14	13	13	11	14	18	20	23	25	26	27	27	28	27	25	22	22	21	20	18	18	18	21	28	
11	17	15	14	13	13	13	15	18	20	22	24	26	26	27	25	25	28	26	25	22	22	22	20	14	21	24	
12	18	17	16	15	17	16	18	21	21	23	24	21	19	23	25	26	24	24	24	22	21	20	19	18	21	26	
13	17	16	15	14	16	16	14	17	19	20	22	22	25	27	24	23	20	21	22	21	18	16	15	12	19	27	
14	13	13	12	11	11	13	15	17	19	21	23	25	25	26	25	25	25	25	25	23	22	20	18	17	19	26	
15	15	16	15	14	14	12	15	17	20	22	23	24	25	25	26	27	26	26	26	24	23	21	20	16	20	27	
16	15	15	14	12	11	11	13	16	17	20	22	24	25	26	27	24	28	28	29	26	23	22	20	19	20	29	
17	17	15	16	13	13	13	14	17	19	22	23	26	28	29	31	31	30	29	28	27	25	24	21	21	22	31	
18	19	19	17	16	16	16	16	19	20	22	25	26	26	27	30	31	29	30	29	27	27	24	23	22	23	31	
19	21	22	20	19	18	19	20	22	24	25	26	27	29	29	29	29	27	27	27	26	24	23	21	19	24	29	
20	16	14	14	13	12	11	13	15	16	20	22	25	26	26	27	27	27	27	27	24	22	22	22	18	20	27	
21	16	15	13	13	13	13	14	15	18	20	23	25	26	27	27	28	28	28	28	26	23	20	14	17	21	24	
22	16	16	16	15	13	14	15	19	21	22	26	28	29	30	29	30	29	29	28	26	24	23	22	22	23	30	
23	21	20	20	19	18	17	19	23	25	26	29	28	29	29	25	20	22	22	22	21	20	17	19	17	22	29	
24	15	15	14	14	14	14	14	17	19	22	24	25	27	27	26	26	27	23	21	19	18	16	15	13	19	27	
25	9	12	11	11	11	10	13	17	18	20	23	25	26	28	29	28	27	24	21	19	18	16	15	13	19	29	
26	16	16	14	12	12	11	12	15	18	19	23	26	28	27	28	28	27	24	21	19	18	16	15	13	19	29	
27	19	17	14	14	12	12	14	17	19	23	27	28	27	28	29	28	28	28	28	26	23	20	19	18	20	24	
28	15	15	14	13	13	12	15	17	19	22	26	28	29	30	30	29	30	30	30	24	23	22	21	22	22	30	
29	20	17	16	16	14	15	19	23	22	25	27	29	24	24	24	22	22	20	19	19	19	17	17	16	21	29	
30	10	16	15	14	14	13	15	18	20	21	22	23	24	26	27	26	26	26	27	23	23	21	18	16	20	27	
31	16	14	14	12	12	12	14	17	20	22	24	27	29	30	29	30	28	27	26	25	24	23	22	22	22	30	
AV	15	15	14	13	13	13	14	17	19	21	23	24	25	26	26	26	26	25	25	23	21	20	19	17	20	1	
SD	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	3	3	4	4	3	3	3	3	2	1	

ABOUT (29 JAN 61)

TEMPERATURE (C/103)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BOMANZA, UTAH

SITE 11

AUG. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	19	16	16	15	15	17	17	17	16	21	25	25	26	27	28	29	29	27	22	22	22	21	20	16	17	21	29	
2	16	16	15	14	14	12	14	17	20	22	23	25	26	28	29	29	28	27	22	22	22	24	23	21	19	21	29	
3	16	15	15	15	14	13	15	18	21	24	25	27	28	28	28	28	26	26	26	23	22	22	22	21	20	19	21	28
4	17	14	14	14	11	12	13	14	17	19	21	23	22	23	25	27	27	26	25	23	22	22	20	18	16	19	27	
5	13	13	12	11	11	10	11	13	16	19	21	24	24	27	29	30	29	28	28	26	25	25	24	23	23	20	30	
6	21	19	19	18	16	16	17	20	23	24	26	27	28	29	30	30	30	29	28	27	24	24	22	21	20	24	31	
7	19	19	18	18	16	16	16	19	21	24	26	28	29	31	31	31	30	30	29	27	24	25	24	24	24	31	31	
8	21	20	18	17	16	16	16	19	21	24	26	28	29	31	31	31	30	30	29	27	25	25	24	24	24	31	31	
9	22	21	19	19	18	17	18	22	24	26	27	27	28	29	29	28	27	26	24	21	20	20	19	19	19	24	29	
10	17	16	15	14	12	12	13	17	20	22	25	25	27	27	27	26	28	27	26	25	23	21	16	17	21	28	28	
11	16	15	12	11	10	9	10	14	16	18	21	24	25	26	27	27	27	27	27	23	21	19	18	18	19	27	27	
12	17	14	13	13	11	11	13	17	22	26	25	26	27	28	27	27	25	24	22	21	20	19	19	17	20	28	28	
13	17	15	16	16	16	14	15	16	19	22	24	25	26	27	24	22	19	17	17	17	16	16	15	15	19	27	27	
14	15	14	14	14	12	12	12	17	18	20	22	23	24	25	25	26	26	26	25	23	19	17	15	14	15	19	26	
15	13	10	10	10	9	10	10	11	15	17	16	15	17	20	19	17	16	14	11	11	11	10	9	9	13	20	20	
16	8	7	7	7	7	7	8	10	13	14	15	16	17	19	19	20	20	19	16	14	13	13	11	11	13	20	20	
17	10	10	9	8	6	7	7	10	12	14	17	19	21	22	24	24	24	24	23	21	20	17	15	15	16	24	24	
18	14	14	15	15	14	13	13	15	19	23	24	24	24	25	25	25	24	24	23	21	20	20	19	18	20	25	25	
19	18	17	16	16	15	14	16	18	19	19	20	20	18	15	13	14	14	10	9	10	10	9	8	7	14	20	20	
20	5	4	3	3	2	2	4	8	10	11	13	14	15	16	16	18	18	18	16	14	13	11	11	10	11	20	20	
21	10	8	7	6	6	6	7	10	12	14	17	18	20	21	23	23	23	23	22	19	18	17	16	15	15	23	23	
22	14	11	10	9	8	7	9	13	16	20	24	25	26	26	26	25	25	25	24	22	22	22	20	18	19	19	26	
23	19	19	18	17	17	17	17	20	21	23	22	21	21	21	20	15	12	10	9	10	11	11	12	11	16	23	23	
24	11	11	11	10	11	11	11	12	15	15	16	17	18	19	19	20	20	19	16	13	12	12	11	10	10	20	20	
25	10	9	9	8	8	8	9	12	13	15	12	8	7	8	10	10	8	10	10	9	8	8	8	6	6	15	15	
26	7	6	6	5	5	7	6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6	8	8	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	15	16	19	18	21	23	23	23	20	17	16	15	15	15	15	18	23	23	
28	15	13	14	13	11	11	13	14	17	20	22	25	24	23	23	24	23	21	20	19	19	19	16	18	18	25	25	
29	16	16	16	16	14	15	16	18	20	21	22	21	21	21	21	20	19	18	18	18	18	15	15	16	18	22	22	
30	13	12	12	11	10	12	12	13	14	18	18	19	20	19	21	20	20	17	15	15	15	14	12	11	8	15	21	
31	6	5	5	4	4	4	5	8	9	9	11	13	14	14	14	14	14	15	13	13	13	10	9	7	6	9	15	
AV	15	13	13	12	11	11	12	15	17	19	21	22	22	23	23	24	23	22	21	19	18	17	16	15	17	17	17	
SD	4	5	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	5	5	5	5	5	5	5	

TEMPERATURE (CC1031)

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11
SEP, 1980
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4	2	2	3	2	2	4	7	9	13	15	17	16	17	18	19	19	19	17	15	14	14	12	11	11	19	
2	11	9	8	7	6	6	8	13	14	17	20	21	22	23	24	24	23	22	20	20	19	19	18	16	16	24	
3	16	15	14	13	12	12	14	18	19	20	21	23	23	23	23	23	22	22	21	20	17	15	14	14	14	23	
4	10	10	10	9	8	7	9	13	16	18	20	21	22	23	23	24	24	23	20	18	17	16	14	13	16	24	
5	11	11	10	9	9	10	15	16	19	23	23	23	24	25	25	25	25	23	21	19	18	16	18	18	16	25	
6	16	16	16	17	14	13	14	16	20	22	24	24	24	24	23	22	23	22	21	20	18	18	17	19	19	24	
7	15	14	12	13	12	11	12	12	13	10	10	12	12	12	14	12	9	10	9	9	9	9	9	9	9	11	15
8	8	6	6	6	7	7	7	8	8	8	9	10	11	14	15	16	15	14	14	13	13	11	10	10	10	16	
9	8	7	7	8	8	8	8	11	12	13	13	12	14	14	13	12	12	11	10	10	9	9	9	9	9	10	16
10	8	8	8	8	8	8	10	11	12	7	7	6	7	6	10	11	11	11	10	9	9	8	8	8	8	9	12
11	6	5	4	5	4	5	6	8	11	14	15	15	15	15	15	13	12	12	12	11	10	9	9	9	10	15	
12	8	8	8	7	7	6	7	9	12	13	15	15	15	16	16	14	13	13	13	11	10	10	9	9	11	16	
13	7	7	7	7	6	6	6	10	13	16	16	20	19	19	20	21	20	19	18	17	14	13	14	13	13	21	
14	11	10	7	8	7	7	8	11	16	20	20	20	17	19	19	18	19	18	16	15	15	11	12	12	18	20	
15	10	8	7	6	5	4	6	9	13	14	15	17	16	19	20	21	21	19	18	17	16	15	16	15	14	21	
16	14	14	13	12	12	11	12	13	14	16	18	19	19	19	20	20	19	19	18	17	16	16	12	12	16	20	
17	8	7	8	8	8	9	8	9	13	15	16	16	16	16	19	20	21	21	19	18	17	16	13	12	11	14	21
18	9	8	7	8	6	6	6	10	12	15	18	20	20	23	24	24	23	22	21	21	19	18	13	12	11	14	21
19	17	18	18	18	17	17	17	19	19	21	22	22	23	23	21	20	18	18	17	15	14	10	9	9	14	23	
20	7	6	5	5	3	4	4	6	8	9	11	12	13	14	15	16	16	16	14	13	11	10	9	9	10	16	
21	7	6	5	6	5	5	5	6	11	11	12	14	13	13	13	11	11	10	10	9	8	6	5	5	9	14	
22	3	3	2	1	2	2	2	2	4	7	9	11	10	11	12	13	13	11	10	7	7	5	4	4	6	13	
23	3	1	1	0	0	2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	3	
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	3	
25	5	3	6	5	4	2	3	5	6	8	11	14	14	15	16	16	15	13	12	12	8	8	6	6	9	16	
26	4	3	2	3	2	1	1	4	8	10	11	13	14	17	18	18	18	18	15	13	13	11	9	10	18		
27	8	7	8	6	5	4	4	7	11	13	15	17	16	19	20	21	20	20	17	15	13	12	11	13	21		
28	9	6	6	6	5	4	4	6	10	12	14	18	17	19	19	21	20	20	18	17	16	15	14	13	21		
29	12	11	10	8	5	5	5	8	10	13	15	17	19	20	20	21	19	18	15	13	12	11	10	9	13	21	
30	7	7	7	5	6	5	4	8	13	13	16	19	19	21	22	23	23	22	19	17	16	14	12	11	14	23	
AV	9	8	8	7	7	6	7	10	12	14	15	17	17	18	18	19	18	18	16	15	14	12	12	11	13	()	
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	()	

ABOUT (29 JAN 81)

TEMPERATURE (CCI03)

DEGREES CELSIUS
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	8	7	6	7	7	6	9	12	13	17	21	20	21	21	22	23	20	16	17	17	15	15	19	15	23
2	10	3	3	2	1	1	1	3	7	8	12	14	16	17	18	18	17	16	14	12	12	10	8	7	11	18
3	6	5	6	4	4	2	3	5	6	11	12	13	15	17	19	20	18	17	15	12	11	10	6	6	9	18
4	7	6	6	7	6	5	4	6	9	11	14	17	19	21	20	21	20	19	16	14	12	11	10	9	11	20
5	6	5	4	3	3	3	4	6	10	12	14	17	18	18	19	19	19	17	14	12	11	10	9	11	19	
6	7	6	5	4	4	4	4	5	8	11	12	15	17	18	20	21	20	17	15	13	11	10	9	12	21	
7	6	6	7	5	4	4	2	6	8	10	12	15	17	18	18	17	15	13	12	10	9	8	11	21		
8	6	5	6	5	4	4	4	6	8	8	12	13	12	13	14	14	13	10	8	6	5	4	9	19		
9	6	6	7	5	4	4	4	6	8	9	11	13	15	16	16	16	16	16	16	16	16	15	15	9	19	
10	5	5	6	5	4	4	4	6	8	8	10	10	9	4	3	3	4	5	6	6	6	5	5	7	12	
11	2	1	0	0	1	1	1	1	4	6	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
12	10	9	7	7	7	7	8	9	8	10	10	9	4	3	3	3	4	5	6	6	6	5	5	7	12	
13	3	3	1	1	1	1	2	2	4	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	0	-1	-1	-2	-1	-1	-1	0	1	3	4	6	6	6	6	6	6	5	4	3	3	2	1	0	2	6
15	-1	-1	-1	0	0	0	-2	0	1	4	5	4	2	0	0	1	0	-1	-1	-1	-1	-1	-2	-2	0	5
16	-2	-3	-2	-2	-1	-1	-1	-1	-2	-3	-1	1	-1	0	1	1	1	1	1	1	1	0	-1	0	1	4
17	-1	-2	-3	-2	-2	-3	-2	-1	1	2	3	3	3	3	3	4	4	3	2	1	1	0	-1	-2	1	4
18	-3	-3	-3	-3	-3	-3	-2	-2	0	3	4	6	6	6	7	7	7	7	4	4	3	2	1	0	2	7
19	-1	-2	-3	-4	-4	-4	-4	-3	0	1	3	5	6	6	7	8	8	6	5	3	3	2	1	0	2	6
20	-2	-3	-3	-4	-4	-4	-4	-3	0	1	4	6	6	7	8	8	6	4	4	3	3	2	1	0	2	6
21	-1	-2	-3	-4	-4	-4	-5	-3	1	3	5	7	7	8	9	10	10	8	6	5	4	4	3	3	10	
22	2	2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	9	11	10	10	10	10	10	8	6	5	5	4	4	3	3	10
23	-5	-6	-7	-6	-7	-6	-6	-6	-4	-3	-2	-1	0	1	0	-1	-2	-4	-4	-4	-6	-6	-1	-2	5	11
24	-6	-7	-8	-9	-9	-10	-11	-9	-5	-4	-2	0	3	3	4	4	3	2	-1	-2	-4	-5	-6	-3	4	4
25	-6	-7	-7	-7	-8	-9	-9	-7	-4	-3	-1	0	3	4	5	5	5	2	2	-1	-1	-1	-1	-2	5	5
26	-2	-3	-3	-4	-4	-4	-4	-3	-2	-1	1	1	1	-1	-2	-2	-2	-2	-3	-2	-2	-2	-1	-1	-2	1
27	-4	-4	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
28	-8	-9	-9	-8	-8	-8	-9	-9	-6	-5	-4	-2	-1	0	0	-1	-1	-3	-3	-6	-6	-7	-7	-7	-5	0
29	-8	-8	-8	-9	-10	-10	-10	-9	-5	-4	-2	0	2	2	3	3	3	1	1	-1	-3	-5	-5	-5	-4	3
30	-6	-7	-7	-8	-8	-8	-8	-8	-4	-3	-1	1	3	5	6	6	6	5	3	1	-1	-2	-3	-3	-2	6
31	-5	-8	-5	-6	-6	-7	-7	-6	-4	-2	0	4	5	6	7	7	6	5	5	3	1	0	-2	-2	0	7
AV	1	0	0	-1	-1	-1	-1	0	2	4	6	7	6	7	7	8	7	6	7	5	4	3	3	2	4	1
SD	6	5	6	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	7	7	6	6	6	6	1

TEMPERATURE (CC:03)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 NOV, 1980
 AEROSURVEILLANCE INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-4	-4	-5	-5	-5	-6	-7	-5	-3	-2	2	4	6	7	10	8	7	5	4	2	1	0	0	-2	0	10	
2	-3	-4	-4	-3	-2	-4	-4	-1	-1	1	2	6	6	6	10	9	9	7	5	4	3	2	2	2	2	10	
3	1	-1	-1	-2	-2	-2	-3	-3	-4	-1	2	4	6	7	8	10	9	7	6	4	4	4	2	1	3	10	
4	0	-1	-1	-1	-1	-2	-2	-1	-2	3	3	6	8	8	9	10	9	8	7	6	5	3	1	0	3	10	
5	-2	-3	-4	-4	-4	-4	-4	-4	-2	2	3	5	7	9	9	9	9	7	5	3	2	0	-1	-1	2	9	
6	-1	-3	-4	-3	-4	-4	-4	-3	0	2	5	5	7	9	12	10	10	9	8	6	6	6	6	7	4	12	
7	8	6	5	4	3	3	3	2	3	4	8	9	8	7	8	8	8	8	8	8	10	11	9	10	7	11	
8	10	10	10	9	8	7	6	3	3	3	2	2	0	-1	-2	-2	-2	-4	-3	-1	-1	5	7	3	10		
9	9	9	11	11	9	11	10	9	7	7	6	4	2	2	0	-1	-1	-2	-2	-2	0	3	5	6	5	11	
10	7	9	11	12	11	9	7	7	6	4	3	2	1	0	1	1	-1	-2	-2	-2	0	2	3	4	4	12	
11	6	5	5	2	0	-2	-2	0	2	3	5	5	7	9	10	10	10	10	10	10	10	8	7	7	5	10	
12	7	7	7	6	4	7	7	7	8	7	10	9	9	8	5	4	3	1	1	1	1	0	0	0	0	5	10
13	0	0	0	-1	-1	-2	-1	-1	0	0	0	-1	-1	-2	-3	-3	-3	-3	-4	-5	-5	-5	-6	-6	-2	0	
14	-7	-7	-7	-6	-6	-5	-4	-3	-3	-2	-2	-1	0	-2	-2	-2	-4	-4	-5	-5	-6	-7	-7	-7	-8	0	
15	-8	-8	-8	-10	-11	-11	-12	-12	-11	-9	-7	-7	-5	-3	-4	-4	-6	-7	-7	-8	-8	-10	-11	-11	-8	-3	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	-8	
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	-8	
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
22	-5	-4	-4	-4	-4	-6	-6	-7	-6	-4	-1	0	-2	-1	0	0	-1	-2	-5	-4	-4	-5	-6	-7	-3	0	
23	-5	-6	-6	-6	-7	-8	-7	-8	-7	-4	-4	-2	-1	0	-1	-1	-2	-2	-3	-2	-2	-3	-4	-5	-3	2	
24	-6	-7	-7	-6	-6	-6	-6	-7	-6	-6	-5	-5	-4	-2	-3	-3	-5	-5	-5	-5	-6	-6	-8	-8	-6	-2	
25	-9	-10	-10	-9	-8	-8	-8	-8	-7	-7	-7	-7	-5	-6	-7	-6	-7	-8	-9	-9	-9	-9	-9	-9	-9	-5	
26	-10	-10	-12	-11	-13	-13	-13	-13	-11	-9	-6	-6	-7	-6	-5	-5	-7	-7	-8	-9	-11	-12	-12	-11	-10	-5	
27	-11	-12	-13	-14	-14	-14	-14	-14	-13	-10	-9	-8	-6	-6	-5	-5	-6	-7	-8	-8	-9	-10	-10	-10	-10	-5	
28	-12	-12	-13	-13	-14	-14	-14	-13	-11	-9	-6	-6	-2	-3	-2	-1	-2	-2	-3	-4	-5	-6	-7	-6	-1	-1	
29	-7	-7	-8	-9	-9	-10	-10	-9	-9	-7	-4	-5	-3	-2	-1	-1	-3	-2	-2	-3	-4	-5	-5	-5	-5	-1	
30	-5	-5	-5	-2	-1	0	0	1	1	2	5	6	8	7	7	5	4	3	3	4	4	3	3	1	2	2	
AV	-2	-3	-3	-3	-4	-4	-4	-3	-2	-1	0	1	2	3	2	1	0	0	0	-1	-1	-1	-2	-2	-1	()	
SD	7	7	7	7	7	7	7	7	6	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6	6	5	()

TEMPERATURE (C0003)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 11

DEC, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APH/H1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	1	-1	-1	-3	-4	-4	-4	-5	-4	-4	-3	-2	-1	-1	0	0	-2	-3	-4	-5	-6	-7	-7	-8	-3	1
2	-8	-8	-8	-6	-6	-8	-9	-9	-7	-6	-4	-4	-1	-1	-1	0	-1	-1	-2	-1	-1	-1	-1	-1	-1	0
3	-2	-3	-4	-4	-3	-2	-3	-3	-3	-3	-2	0	2	2	5	6	7	6	5	6	6	5	4	3	1	9
4	2	5	5	5	5	5	5	5	7	6	7	8	6	6	4	4	3	2	2	2	3	3	3	2	1	8
5	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	-1	-2	-3	-3	-4	-5	-5	-5	-1	1
6	-6	-6	-5	-6	-6	-6	-5	-5	-6	-5	-4	-3	-3	-2	-1	-1	-2	-3	-3	-4	-4	-5	-6	-7	-4	-1
7	-6	-6	-7	-7	-8	-8	-7	-7	-7	-7	-7	-6	-6	-6	-5	-6	-6	-6	-7	-7	-7	-8	-8	-8	-7	-5
8	-8	-8	-8	-9	-9	-8	-9	-9	-8	-7	-7	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-8	-8	-8	-7	-5
9	-10	-11	-11	-11	-10	-11	-11	-11	-10	-10	-9	-8	-8	-6	-6	-6	-7	-8	-8	-9	-10	-10	-10	-10	-10	-6
10	-12	-12	-13	-13	-13	-14	-14	-14	-12	-10	-9	-7	-5	-4	-3	-4	-5	-5	-6	-6	-8	-8	-9	-9	-9	-3
11	-10	-11	-11	-11	-11	-11	-11	-11	-10	-8	-6	-4	-3	-3	-2	-2	-3	-4	-4	-5	-6	-6	-7	-7	-7	-2
12	-9	-10	-11	-11	-11	-12	-12	-12	-10	-7	-5	-3	-1	-1	-1	-2	-3	-4	-5	-6	-7	-7	-8	-8	-8	-1
13	-11	-11	-11	-12	-12	-13	-13	-13	-11	-9	-7	-4	-4	-2	-2	-2	-3	-4	-4	-6	-6	-7	-7	-8	-8	-2
14	-11	-11	-11	-12	-13	-13	-11	-11	-11	-9	-6	-3	-2	0	-1	-2	-4	-5	-6	-6	-6	-6	-6	-7	-7	0
15	-8	-8	-8	-9	-8	-8	-9	-8	-7	-6	-4	-3	-2	1	2	2	0	-1	-3	-5	-4	-4	-4	-4	-4	2
16	-6	-7	-6	-6	-9	-8	-9	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	2
17	-8	-9	-8	-9	-9	-10	-9	-10	-8	-6	-4	-2	-1	-1	1	2	1	-1	-2	-2	-4	-4	-4	-4	-4	2
18	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	2
19	-2	-3	-3	-5	-7	-8	-5	-4	-4	-2	0	1	2	1	1	3	3	3	3	3	3	3	3	3	3	2
20	-8	-8	-8	-8	-9	-9	-9	-10	-10	-8	-6	-5	-4	-2	-2	2	2	1	0	-2	-4	-4	-4	-4	-4	2
21	-9	-9	-8	-9	-9	-9	-9	-9	-9	-7	-4	-4	-4	-4	-2	2	2	2	1	-1	-2	-4	-4	-4	-4	2
22	-3	-2	-3	-4	-2	-1	-3	-4	-5	-4	-3	0	5	6	6	6	5	3	3	3	2	2	1	1	1	0
23	1	-1	-2	-3	-5	-6	-5	-6	-6	-4	-3	-1	1	2	2	2	2	0	-1	-3	-5	-6	-6	-6	-6	2
24	-5	-7	-7	-7	-8	-8	-8	-10	-8	-7	-6	-2	1	0	1	0	0	-1	-3	-6	-6	-6	-6	-6	-6	2
25	-5	-6	-7	-7	-6	-8	-7	-7	-7	-4	-2	0	2	1	2	3	2	2	1	0	1	0	0	0	0	6
26	-1	0	-2	-2	-4	-6	-5	-6	-5	-3	-4	1	2	3	5	3	4	2	1	-2	-2	-2	-2	-2	-2	3
27	-5	-5	-7	-7	-7	-8	-9	-9	-8	-7	-5	-2	2	3	3	2	1	1	-2	-2	-2	-2	-2	-2	-2	5
28	-5	-6	-6	-6	-7	-8	-8	-8	-8	-7	-4	-4	0	1	1	1	2	0	-3	-5	-5	-6	-6	-6	-6	2
29	-7	-8	-9	-9	-10	-10	-11	-11	-11	-6	-5	-5	-3	-2	0	0	1	-2	-5	-7	-7	-7	-7	-7	-7	1
30	-6	-9	-9	-9	-11	-13	-13	-13	-9	-5	0	0	0	2	2	2	0	-1	-4	-6	-6	-6	-6	-6	-6	2
31	-7	-7	-8	-8	-7	-9	-10	-10	-7	-5	-4	-1	-1	1	0	0	-1	-2	-4	-5	-7	-9	-9	-9	-9	1
AV	-6	-6	-7	-7	-7	-8	-8	-8	-7	-5	-4	-2	-1	0	0	0	0	-2	-3	-4	-4	-4	-4	-4	-4	1
90	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

SITE 13

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

JAN, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
10	10.0	19.5	21.5	18.5	16.0	12.5	12.0	14.5	20.0	19.5	20.0	22.0	22.0	17.0	18.5	20.5	15.0	14.5	17.0	19.0	16.0	6.5	3.5	6.5	11.5	15.5
11	9.5	6.5	4.0	2.0	2.0	2.5	3.5	3.0	2.5	2.5	2.5	2.5	1.5	3.0	2.0	2.5	2.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	9.5
12	2.5	2.5	2.0	2.5	3.5	5.0	2.5	3.0	2.5	5.0	3.0	3.0	3.0	2.5	2.0	2.5	3.0	3.0	2.5	2.5	2.0	2.5	2.5	2.0	3.0	5.0
13	2.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	3.5	3.0	5.0	2.5	2.5	2.0	1.5	2.0	2.5	2.5	2.5	2.5	1.0	2.0	2.5	3.0	3.5	12.0
14	11.5	10.5	15.5	9.5	7.5	6.0	12.5	7.0	10.0	7.0	8.0	7.5	6.5	3.5	3.5	2.5	2.5	2.5	2.5	2.5	1.0	2.0	2.5	2.5	3.0	6.0
15	2.0	1.5	1.0	.5	.5	.5	.5	.5	1.0	2.5	3.5	3.5	3.0	3.5	3.0	2.5	2.5	2.5	2.0	4.0	1.5	1.5	2.0	1.0	2.0	4.0
16	1.5	1.0	1.5	1.5	1.5	2.5	3.0	1.5	2.5	2.0	3.0	2.5	3.0	4.5	3.0	3.0	4.5	3.0	2.5	2.5	2.5	1.5	1.5	2.5	2.5	4.5
17	2.0	2.5	2.0	3.0	2.5	2.0	3.0	2.0	2.0	1.5	2.5	4.0	6.0	6.0	3.5	2.5	2.5	2.0	2.0	2.0	2.5	3.0	2.5	2.5	3.0	6.0
18	1.5	1.5	2.0	2.5	2.5	2.0	2.0	1.5	1.5	1.0	1.0	2.5	2.5	3.5	5.0	4.5	4.0	4.5	2.0	2.0	4.5	8.0	4.5	10.0	3.5	10.0
19	9.5	11.0	10.5	9.0	9.0	7.5	7.5	8.0	9.0	9.5	4.0	4.5	5.5	8.5	7.5	6.0	5.5	3.5	1.0	2.0	1.5	6.0	6.5	3.0	6.5	11.0
20	4.0	3.0	3.0	3.0	3.0	5.5	4.0	2.5	3.5	3.0	2.5	3.5	4.5	4.5	3.0	4.5	5.0	4.5	5.0	2.0	2.5	1.5	1.5	1.5	1.5	5.5
21	2.0	2.5	2.5	2.5	2.5	3.0	2.0	2.5	2.0	3.0	3.5	3.5	2.5	2.0	5.0	2.5	3.0	3.5	5.0	5.5	5.0	4.5	5.0	4.5	1.5	5.5
22	4.5	4.0	2.5	3.5	4.0	3.5	2.5	4.0	3.5	3.0	3.0	4.5	3.5	3.0	3.0	3.5	3.5	2.5	2.0	1.5	1.5	1.5	4.0	2.0	3.0	4.5
23	2.0	2.0	3.0	2.5	2.5	1.5	2.0	2.5	2.5	3.0	2.5	2.5	3.0	4.0	4.5	4.5	4.0	3.0	3.0	3.5	2.5	3.0	3.5	4.0	3.0	4.0
24	2.5	2.5	2.5	2.5	3.0	3.5	2.0	2.5	3.0	2.5	3.0	2.5	3.0	2.5	3.0	2.5	2.5	3.5	4.0	3.5	4.0	3.0	3.5	3.0	3.0	4.0
25	2.5	3.0	2.5	3.0	2.5	4.5	2.5	3.0	3.0	2.5	2.0	2.5	3.0	3.0	2.5	2.5	3.0	4.0	3.0	3.0	3.0	3.5	7.0	7.0	3.5	7.0
26	8.5	5.0	6.0	3.0	2.5	1.5	3.5	2.5	2.0	2.5	3.0	3.5	4.0	5.0	4.5	7.0	8.0	8.0	6.0	9.5	7.0	4.5	2.5	4.5	4.5	9.5
27	3.0	4.0	2.0	3.0	3.5	2.5	1.5	1.5	1.5	2.5	2.5	3.0	3.5	3.0	3.5	3.0	3.5	3.0	3.5	3.0	2.0	2.0	4.0	3.0	3.0	4.0
28	2.5	3.0	2.5	1.5	3.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.0	3.0	3.0	4.0	3.0	3.5	2.5	1.5	2.0	1.5	1.5	2.0	2.5	4.0
29	1.0	1.5	2.5	2.0	1.0	2.0	1.0	2.0	.5	1.0	2.0	2.5	2.5	2.0	2.0	3.5	2.5	3.5	6.5	3.5	3.5	1.5	2.5	3.0	2.5	6.5
30	3.0	3.0	4.5	3.5	2.0	3.5	2.0	2.5	3.0	3.0	2.0	2.5	2.0	2.5	3.0	2.5	3.0	3.5	2.0	1.5	2.5	1.5	2.5	2.5	2.5	4.5
31	2.0	2.0	1.5	1.5	1.5	1.5	2.0	3.5	1.0	1.5	1.0	2.5	2.5	3.0	2.5	3.0	2.5	5.0	2.5	3.0	2.5	2.5	3.0	1.0	2.5	5.0
AV	4.0	4.5	4.5	4.0	3.5	3.5	3.5	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.5	4.0	4.0	4.0	4.0	4.0
SD	3.0	4.0	5.0	4.0	3.5	2.5	3.0	3.0	4.0	4.0	4.5	4.5	3.5	4.0	4.0	4.0	3.0	3.0	3.5	3.5	4.0	2.5	2.5	3.0	3.0	3.0

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

FEB, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.0	3.0	2.5	2.0	2.5	2.5	3.0	2.0	2.5	2.5	2.5	3.5	3.0	3.0	5.0	5.5	4.5	3.0	3.0	2.5	3.0	2.5	3.0	2.0	3.0	5.5	
2	2.5	2.0	2.5	2.0	1.5	2.0	2.0	1.5	1.5	2.5	2.0	4.0	4.0	5.0	3.0	2.5	3.0	4.0	2.5	3.0	2.5	2.5	1.5	2.0	2.0	2.5	5.0
3	1.5	2.0	2.5	3.0	2.5	2.5	2.5	1.5	2.0	1.5	3.0	2.5	2.5	2.5	3.5	3.5	3.0	3.0	3.0	2.5	3.0	3.0	1.5	3.0	2.0	2.5	5.0
4	2.0	1.0	2.0	3.0	1.5	2.5	2.0	2.0	1.5	2.0	2.5	2.5	4.0	6.0	5.0	5.0	2.5	3.0	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	6.0
5	2.0	1.5	2.5	2.0	2.0	2.0	1.5	2.0	1.0	2.0	2.5	2.0	3.5	3.0	3.0	4.0	4.0	4.0	3.5	2.5	1.5	2.0	1.5	2.5	2.5	2.5	6.0
6	3.5	2.5	2.5	1.5	2.5	1.5	2.0	1.5	1.0	1.5	4.5	4.5	3.0	3.0	4.0	6.0	3.0	3.5	2.0	2.5	3.0	2.5	2.0	2.5	2.0	2.5	6.0
7	2.5	1.5	2.0	3.0	2.5	1.5	1.0	2.5	1.0	2.0	3.0	3.0	3.0	3.0	4.5	6.5	6.5	3.0	3.0	3.5	2.5	3.0	4.0	3.0	3.0	6.0	
8	4.5	5.5	5.0	2.0	2.0	2.5	1.5	1.5	3.0	4.0	4.5	6.0	5.0	5.0	4.5	2.5	2.0	3.0	6.0	1.5	2.0	2.0	2.5	1.5	3.0	6.0	
9	1.0	2.0	1.5	1.5	1.5	1.5	1.5	2.0	3.5	3.5	4.0	3.0	3.0	5.5	4.0	2.5	1.5	1.5	1.5	1.5	2.0	1.5	1.5	2.0	2.0	2.5	5.5
10	2.0	1.5	1.5	2.0	1.5	1.5	3.0	3.5	2.0	3.0	5.5	5.5	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.5	5.5
11	1.5	2.0	1.5	1.5	2.0	3.0	3.0	3.0	3.5	5.5	5.5	4.5	1.5	1.5	1.5	1.0	1.0	2.0	2.0	1.5	1.5	2.0	1.0	1.5	1.5	2.5	5.5
12	1.5	1.5	2.0	2.5	1.5	3.0	3.5	3.5	6.0	5.0	4.5	2.5	1.5	2.5	1.5	2.0	2.0	2.0	2.0	2.5	2.0	1.5	1.5	1.5	2.0	2.5	6.0
13	2.0	1.0	1.5	2.5	3.0	3.0	3.0	3.0	4.0	3.5	2.5	1.5	2.0	2.0	1.0	1.5	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.0	2.0	2.5	6.0
14	1.5	2.0	3.0	3.5	3.5	4.0	3.5	3.0	3.5	5.5	2.5	2.5	2.5	2.5	1.5	2.5	2.5	3.5	2.0	1.5	1.5	1.0	1.0	1.0	1.0	2.5	5.5
15	1.5	1.0	2.0	3.5	3.0	3.5	4.5	4.5	6.5	5.5	3.5	2.5	2.0	2.0	2.5	3.0	3.0	2.0	2.5	2.5	1.5	2.5	2.0	2.5	2.0	2.5	6.5
16	3.0	3.0	2.0	3.0	3.0	2.5	2.0	2.0	3.5	4.5	3.5	3.0	2.0	2.0	2.0	3.0	2.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	4.5
17	1.5	1.0	1.5	1.5	4.0	5.5	2.5	3.0	3.5	3.0	3.0	2.0	2.0	2.5	2.0	2.0	1.5	2.0	4.5	5.0	3.0	2.0	4.0	2.0	2.0	2.5	5.5
18	2.5	2.0	6.0	6.0	4.5	4.0	8.5	7.5	4.0	9.0	4.0	9.0	5.0	4.5	4.0	3.0	3.0	2.5	2.5	6.0	6.5	4.5	6.0	2.5	2.5	5.0	5.5
19	2.0	2.5	2.5	2.5	7.5	7.5	5.5	9.5	10.0	6.5	3.5	3.5	2.5	2.5	2.5	2.5	1.5	4.0	3.5	6.0	6.5	6.5	5.0	4.0	4.0	4.5	10.0
20	2.5	2.5	3.5	6.0	6.0	6.5	5.0	7.5	5.0	5.0	3.0	1.5	2.5	2.5	3.0	2.0	2.0	1.5	1.5	1.5	3.0	2.5	3.5	2.5	2.5	9.0	10.0
21	2.0	2.5	2.5	2.5	9.5	7.0	3.5	9.5	9.0	6.5	6.0	6.0	3.5	4.5	3.0	4.0	2.5	2.0	1.5	3.0	2.5	3.0	3.0	3.0	3.0	4.5	9.0
22	3.0	3.0	1.5	3.5	7.0	4.5	6.0	6.5	7.0	6.5	6.5	3.5	2.5	4.5	1.5	5.5	4.0	6.5	3.5	4.0	2.5	2.0	5.5	4.0	4.0	4.5	9.0
23	3.0	3.0	3.0	2.5	3.0	2.5	9.0	6.5	7.0	5.0	3.5	4.0	5.5	5.0	4.5	6.5	7.0	6.0	6.0	6.0	3.5	2.0	5.5	2.0	2.5	4.0	9.0
24	3.5	2.0	2.0	2.5	2.0	4.0	3.0	5.0	5.0	5.0	4.5	3.5	3.0	2.0	2.0	2.0	2.0	1.5	2.0	2.0	1.5	1.5	2.0	2.5	2.0	5.0	9.0
25	2.5	1.5	3.0	2.0	2.0	3.0	4.5	4.0	4.0	5.0	4.0	4.5	4.5	5.5	3.0	2.5	2.5	1.5	2.0	2.0	2.0	1.5	2.0	3.0	3.0	5.0	5.5
26	2.5	2.5	1.5	2.0	3.0	2.5	4.0	4.0	4.0	3.5	5.5	4.5	3.5	2.5	1.5	1.5	1.5	1.5	2.0	1.5	2.0	2.5	2.0	1.5	2.0	2.5	5.5
27	2.0	1.5	1.5	1.5	2.0	2.0	3.0	3.0	4.0	3.5	5.5	4.0	4.0	4.0	2.5	3.0	2.5	2.0	1.5	2.0	1.5	1.5	2.5	2.0	1.5	2.5	5.5
28	2.5	2.0	3.0	4.5	5.0	4.5	4.0	4.0	4.0	5.5	5.0	4.0	3.0	3.0	1.5	2.0	2.5	2.0	1.5	2.0	1.5	1.5	1.5	1.5	2.5	2.5	6.5
29	5.0	2.5	2.0	3.0	2.5	3.5	4.0	7.0	4.5	4.5	3.5	3.0	4.5	5.0	7.0	6.5	5.5	4.0	5.0	5.5	5.0	5.0	4.5	4.0	4.5	4.5	7.0
AV	2.5	2.0	2.5	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	3.0	3.5	3.0	3.5	3.0	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5	3.0	5.5
SD	1.0	1.0	1.0	1.5	2.0	1.5	2.0	2.5	2.0	1.5	1.5	1.5	1.0	1.0	1.5	1.5	2.0	2.0	1.5	2.0	1.5	1.0	1.5	1.0	1.5	1.0	1.0

AUGUST (29 JAN 81)

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 13
 MAR, 1960
 AEROMISSION INC.

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA
 * AS OF 31/MAR/61
 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	5.0	5.0	3.5	5.5	4.5	2.5	4.5	4.0	5.0	7.5	5.5	6.5	4.5	4.5	4.0	2.5	1.5	2.0	1.5	3.0	5.5	3.0	2.0	2.0	4.0	7.5
2	6.0	2.5	2.0	2.5	1.5	2.0	1.5	2.0	2.5	3.0	3.0	4.0	5.0	7.0	5.5	4.0	3.0	2.0	2.5	2.0	2.5	1.5	1.5	2.0	3.0	7.0
3	1.5	1.0	2.5	2.5	2.5	3.0	2.5	2.0	3.5	3.0	4.5	9.5	13.0	14.5	12.5	10.0	3.5	5.0	5.0	2.0	3.5	6.5	5.0	7.0	5.5	14.5
4	7.0	4.0	4.0	6.0	2.0	3.0	3.0	2.5	3.0	1.0	2.0	3.0	7.0	10.0	6.0	10.5	11.0	12.5	14.0	12.0	6.0	6.0	5.0	4.5	6.5	14.0
5	4.0	5.5	2.5	2.5	2.5	7.5	8.5	9.5	3.0	7.5	10.5	11.5	10.5	13.0	14.5	12.0	12.5	11.5	9.5	8.5	10.5	13.5	9.0	8.5	8.0	14.5
6	7.0	2.0	5.0	6.5	8.5	7.5	3.0	3.0	5.5	3.0	4.0	4.5	2.5	2.0	4.0	2.5	4.0	3.0	3.5	2.0	1.5	2.5	1.5	2.0	5.0	14.0
7	3.0	2.0	1.5	3.0	3.0	5.0	2.5	3.0	3.0	4.0	5.5	7.5	6.0	4.5	4.0	5.5	5.0	2.5	2.5	2.0	4.0	3.0	3.0	1.5	4.0	7.5
8	2.5	2.5	2.5	5.0	3.0	3.5	2.0	5.5	3.0	3.0	3.5	5.5	11.0	10.0	9.0	9.0	7.5	7.0	4.5	4.5	4.5	4.0	5.5	5.5	5.5	10.5
9	4.0	2.5	3.5	3.0	6.0	6.5	7.0	4.5	3.0	4.5	7.0	8.5	11.0	9.5	10.0	9.5	8.5	6.5	6.5	4.5	5.0	5.5	5.5	5.5	6.0	11.0
10	4.5	2.5	3.0	3.5	5.5	6.0	3.5	2.5	2.0	2.5	3.5	4.5	5.5	5.5	5.0	4.5	4.5	4.5	3.0	5.0	4.0	3.0	3.5	2.5	4.0	6.0
11	2.5	5.5	2.0	3.0	1.0	2.5	1.5	1.5	1.5	1.5	2.5	3.0	3.5	2.5	4.0	5.5	8.0	9.5	7.5	7.5	9.0	9.0	11.5	9.5	5.0	11.5
12	5.5	8.5	10.5	13.0	16.0	20.5	18.0	19.0	16.0	13.5	12.0	14.0	13.0	15.5	13.5	14.0	11.5	10.0	8.0	4.0	4.0	3.5	3.0	6.0	11.5	20.5
13	6.5	5.0	2.5	4.5	9.0	4.0	2.5	2.5	3.0	3.5	3.5	3.5	4.0	4.5	5.0	7.0	5.0	6.0	4.0	6.0	6.5	3.5	2.5	4.5	4.5	9.0
14	3.5	2.5	2.5	2.0	1.5	2.0	1.5	2.0	2.5	4.5	4.5	5.0	6.5	7.5	5.0	10.0	11.0	11.5	10.5	6.0	8.0	3.0	3.0	3.0	5.0	11.5
15	2.5	7.0	10.0	12.0	7.5	2.5	2.5	3.0	2.5	3.0	2.5	5.0	7.5	8.0	5.5	14.0	12.0	11.0	9.5	9.0	2.5	3.0	3.0	13.5	6.5	14.0
16	12.5	11.0	14.0	13.0	10.5	8.0	6.5	4.5	5.0	6.5	10.0	10.0	11.5	13.0	10.0	10.5	10.5	10.0	9.0	7.0	3.5	2.0	3.0	3.5	4.5	14.0
17	3.0	3.0	7.0	8.5	7.0	3.0	2.5	3.0	3.0	4.0	4.5	5.5	6.0	6.5	7.5	6.5	6.0	7.0	6.0	8.0	4.5	5.0	3.0	3.5	5.5	8.5
18	2.5	3.0	1.5	5.0	2.0	1.5	1.5	1.5	3.0	3.5	6.0	6.5	7.5	7.5	6.0	6.5	2.5	2.0	2.5	2.5	5.5	6.0	7.5	2.5	4.0	7.5
19	2.0	2.5	2.0	2.0	2.5	3.0	2.5	2.5	4.5	7.5	9.0	10.0	12.0	11.5	9.5	10.5	10.5	8.5	8.5	3.0	2.5	2.5	2.0	2.0	5.5	12.0
20	3.0	3.0	1.5	2.5	4.0	2.5	4.5	3.0	3.5	4.5	4.5	5.5	5.5	7.0	5.0	6.5	9.5	9.0	9.5	7.5	9.0	3.0	3.0	3.0	5.0	9.5
21	2.5	2.0	2.5	3.0	2.0	2.5	1.5	8.0	15.5	18.5	16.5	15.0	16.0	18.0	14.5	15.0	9.5	7.0	5.0	3.5	8.0	9.0	9.0	5.0	8.5	14.5
22	5.0	3.0	3.0	3.0	2.0	2.5	3.0	5.0	4.5	3.5	7.5	10.5	13.0	10.5	10.5	9.5	8.5	5.5	4.0	2.5	2.5	2.0	1.5	3.5	5.5	13.0
23	4.0	4.5	3.0	2.5	1.5	2.5	3.0	1.5	3.5	3.5	5.5	5.5	6.5	6.5	6.0	5.0	4.5	2.5	2.5	5.0	5.5	5.5	2.5	2.0	4.0	6.5
24	3.5	4.5	7.0	3.0	2.5	4.5	2.5	2.5	3.0	4.5	6.5	10.0	12.5	12.0	10.5	11.5	8.0	10.5	7.0	9.5	5.0	3.5	3.0	2.5	6.0	12.5
25	5.0	2.5	3.0	3.0	3.0	2.5	1.5	2.0	3.5	4.0	5.0	2.5	3.0	3.0	2.5	2.5	2.5	3.0	5.5	3.5	3.5	3.0	3.0	4.5	3.0	5.5
26	5.0	2.5	3.0	1.5	3.0	2.5	1.5	2.0	3.0	2.0	3.0	3.5	3.5	4.0	4.5	4.5	5.5	7.0	6.5	6.0	9.5	7.5	2.5	6.0	4.0	9.5
27	7.5	3.5	3.0	2.5	4.0	8.0	7.0	5.0	3.5	3.5	2.5	4.0	5.0	5.5	6.0	10.0	11.5	6.0	4.0	7.0	5.0	5.0	2.5	2.5	5.0	11.5
28	2.0	2.0	3.0	3.5	4.5	3.0	1.0	2.5	2.5	3.0	6.5	12.0	13.5	13.5	12.5	12.5	10.0	8.5	5.0	4.0	4.0	3.0	3.0	2.0	6.0	13.5
29	2.0	3.0	3.0	2.5	2.0	2.5	1.5	2.0	3.0	3.0	4.0	4.5	6.5	4.5	5.5	4.5	4.0	3.5	4.0	5.5	4.0	7.5	4.0	3.0	3.5	7.5
30	6.0	5.5	4.0	2.5	3.0	3.0	2.5	2.5	3.5	4.0	4.0	5.0	9.5	15.5	13.0	11.0	8.0	6.0	8.0	8.0	5.5	7.5	3.0	3.5	6.5	17.5
31	4.5	4.0	6.5	6.5	8.5	7.5	7.0	4.0	3.0	3.0	3.5	3.5	4.5	5.0	5.5	5.0	4.0	3.0	2.5	4.0	3.0	2.5	6.0	9.0	5.0	9.0
AV	4.5	4.0	4.0	5.0	4.5	4.0	3.5	4.0	4.5	5.5	6.5	8.0	8.5	8.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	4.0	4.5	4.5	5.5	11.5
SD	2.5	2.0	3.0	3.5	3.5	3.5	3.5	3.5	3.0	3.5	3.5	4.0	4.0	4.0	3.5	3.5	3.5	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.0	11.5

WIND SPEED (CC801)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

APR, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9.0	6.0	6.0	3.5	2.0	4.5	4.5	3.0	4.5	5.0	5.5	5.5	3.5	6.0	5.0	5.0	4.5	3.5	4.0	3.5	6.0	9.5	10.0	5.5	10.0	
2	5.5	5.0	2.5	3.0	2.5	5.5	5.0	3.5	3.5	6.5	7.5	6.0	8.0	5.0	6.5	5.0	4.0	2.5	3.0	3.5	6.0	8.0	7.0	5.0	8.0	
3	9.5	7.0	4.0	6.5	7.5	5.0	4.0	3.0	4.5	4.5	4.0	5.0	4.5	5.0	3.5	4.0	3.0	3.0	3.0	3.5	2.5	2.5	1.0	2.0	4.5	9.5
4	1.5	1.5	2.0	2.5	2.0	1.0	2.5	3.0	4.0	4.0	4.0	4.0	5.0	6.0	5.0	4.5	5.5	10.0	10.0	6.0	5.0	2.0	5.5	4.0	10.0	
5	4.0	2.5	1.5	2.5	1.5	2.5	3.0	2.5	4.5	5.0	7.0	11.5	14.0	13.5	12.0	8.0	12.0	7.5	4.0	4.5	4.5	3.0	7.0	6.0	14.0	
6	10.0	11.5	8.0	7.0	5.5	5.0	4.5	5.0	6.0	8.0	15.5	14.0	16.5	20.5	23.5	22.0	17.0	9.5	3.0	4.5	6.0	3.5	3.0	8.0	10.0	23.5
7	12.0	5.5	6.0	10.0	12.0	14.5	15.0	14.5	17.5	18.5	22.5	15.5	13.0	18.0	19.5	17.0	15.5	14.0	9.0	5.5	3.0	5.0	11.5	4.5	12.5	22.5
8	2.5	1.5	3.0	1.5	1.5	2.5	3.0	4.0	3.5	5.0	6.5	8.0	6.5	6.0	5.5	3.5	3.0	3.5	7.5	5.0	4.0	4.0	3.0	2.0	4.0	8.0
9	2.0	1.5	2.0	2.0	2.0	3.0	3.0	4.5	6.0	6.5	10.5	13.0	12.0	13.0	12.0	6.5	6.5	5.0	3.0	3.0	3.0	2.5	2.0	3.0	5.0	13.0
10	2.5	3.0	5.5	14.0	13.5	12.0	10.0	14.5	17.0	21.5	23.0	19.5	22.0	20.0	19.0	15.0	11.5	4.0	6.5	3.5	2.5	3.0	3.0	3.0	11.5	23.0
11	2.5	1.5	3.0	2.5	2.5	5.0	9.0	14.0	13.5	17.0	14.5	18.5	15.5	14.0	9.5	11.5	9.0	9.0	9.0	9.5	5.5	3.0	2.0	2.5	8.5	18.5
12	2.5	1.5	2.0	2.5	2.5	3.5	5.0	5.5	7.0	8.5	9.0	9.5	12.0	12.0	11.0	10.0	8.5	7.0	4.0	4.0	3.0	3.0	3.0	2.5	6.0	12.0
13	2.0	2.0	3.0	2.0	3.0	4.0	4.0	5.0	5.0	4.0	4.5	5.5	3.5	3.0	2.5	2.5	5.0	7.5	6.5	2.5	2.0	2.0	1.5	2.5	3.5	7.5
14	2.5	1.5	2.0	2.5	2.5	3.0	4.0	4.0	4.5	7.0	6.5	4.5	3.5	2.5	2.5	7.0	6.5	4.0	6.0	6.0	4.5	6.5	5.0	2.0	4.0	7.0
15	2.5	2.0	2.0	2.5	3.0	4.0	4.5	5.5	9.0	10.0	11.0	12.0	12.0	16.5	16.0	13.5	16.0	11.5	6.5	4.0	4.5	6.0	4.0	3.0	7.4	16.5
16	4.5	3.0	4.0	11.0	5.0	3.5	4.5	5.0	4.5	7.0	8.5	7.5	4.5	5.0	4.5	4.0	7.0	5.5	6.5	6.0	3.5	2.5	2.5	3.0	5.0	11.0
17	2.5	2.0	1.5	3.0	3.0	3.0	4.0	6.0	5.0	4.5	5.0	5.5	4.5	2.5	3.0	3.0	6.5	4.0	4.0	3.0	3.0	3.0	2.0	3.0	3.5	6.5
18	2.5	1.5	2.0	2.0	2.5	2.5	3.0	4.5	7.5	5.5	6.5	8.0	9.5	8.5	6.5	5.5	6.5	9.5	6.5	7.5	6.5	2.5	3.0	2.5	5.0	9.5
19	2.5	2.5	1.5	2.5	2.5	3.0	4.0	3.5	6.0	6.0	9.0	8.0	6.0	11.0	7.0	4.5	9.5	9.0	6.5	6.0	3.0	2.5	4.0	2.5	5.0	11.0
20	2.0	2.0	2.0	2.0	3.0	3.5	4.5	4.5	6.5	8.5	13.5	12.0	11.5	11.5	6.5	7.5	11.5	14.0	11.5	12.5	13.0	11.5	13.0	14.0	4.5	14.0
21	14.5	12.5	13.0	10.0	12.5	12.0	13.0	9.0	7.0	7.0	8.0	7.0	5.5	5.5	13.5	7.5	3.0	3.5	2.5	2.0	2.0	2.5	3.0	2.0	7.5	14.5
22	2.5	2.5	3.0	2.0	2.5	3.0	4.0	5.0	7.5	13.0	9.5	11.5	13.5	7.5	5.0	2.5	6.0	4.5	6.5	6.0	4.0	4.0	7.5	6.0	6.0	13.5
23	5.5	2.5	3.0	3.0	3.5	5.5	6.0	6.5	11.0	14.5	6.5	10.0	10.0	9.0	4.0	2.5	2.5	4.0	5.0	6.5	7.0	5.5	2.5	3.5	6.0	14.5
24	2.0	2.0	2.0	2.5	2.5	4.5	4.5	5.0	5.5	5.5	3.5	3.0	6.0	6.5	4.5	5.0	4.5	5.0	4.5	5.0	3.5	3.5	6.5	2.5	4.0	6.5
25	3.5	2.5	3.0	2.5	2.5	4.0	7.0	6.5	14.5	7.5	6.5	8.5	8.5	9.5	10.0	9.5	9.0	7.0	7.5	4.0	4.5	2.5	2.5	5.0	4.0	6.5
26	3.0	5.5	3.0	4.5	2.0	3.5	4.0	5.0	6.0	5.5	5.5	5.0	5.0	6.0	6.0	6.0	5.0	3.5	6.5	7.0	3.5	2.5	2.5	5.0	6.0	14.5
27	4.5	2.5	2.0	1.5	2.0	3.0	3.0	3.5	4.0	4.5	5.5	5.0	7.0	5.5	5.0	3.0	3.0	3.0	3.0	6.0	3.5	4.5	5.5	4.0	9.0	7.0
28	5.5	2.0	2.5	1.5	2.0	2.0	3.0	3.5	3.5	6.0	6.0	8.5	10.5	9.0	10.5	7.5	3.0	2.5	5.0	8.5	7.5	4.5	5.5	6.0	5.0	10.5
29	5.0	3.0	3.0	2.5	5.0	3.0	2.5	3.0	3.5	7.5	10.0	10.0	10.0	12.0	14.5	5.5	4.5	6.0	4.5	4.5	4.5	5.5	3.5	4.0	6.0	14.5
30	4.5	2.5	2.5	3.0	2.0	2.5	2.0	2.5	3.5	5.0	6.0	7.5	5.0	3.0	5.0	2.5	4.0	7.0	4.0	4.0	3.5	4.5	7.0	2.5	4.0	7.5
AV	4.5	3.5	3.5	4.0	4.0	4.5	5.0	5.0	6.5	7.0	8.5	9.0	9.0	9.5	9.0	8.0	7.0	7.0	6.0	5.5	4.5	4.5	4.5	4.5	6.0	6.0
80	3.0	2.5	2.5	2.5	3.0	1.0	3.0	2.5	4.0	4.0	4.5	4.5	4.0	5.5	5.5	4.0	4.0	3.5	2.0	2.5	2.0	2.0	3.0	2.5	2.0	2.0

WIND SPEED (CCR01)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, W139
 BONANZA, UTAH
 SITE 13
 MAY, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5.0	4.5	3.5	3.5	3.5	4.0	2.5	3.0	5.0	7.0	8.0	6.0	7.0	6.5	7.0	8.0	6.5	5.0	5.5	5.5	3.0	4.5	5.0	4.0	5.0	8.0	
2	3.0	2.0	2.0	2.5	3.0	2.0	2.5	2.0	2.5	3.0	4.0	5.0	9.5	12.0	11.5	9.5	12.5	10.5	6.0	4.5	4.5	4.0	4.5	6.0	5.0	12.5	
3	2.5	2.5	1.5	2.0	5.0	3.5	4.0	2.0	3.0	3.5	3.5	4.0	4.5	6.5	7.0	4.5	7.0	8.0	6.5	6.0	6.0	6.5	6.0	6.0	5.0	10.5	
4	3.5	6.5	3.0	2.5	2.0	2.5	2.0	1.5	2.5	3.5	3.5	3.5	4.5	6.0	8.0	9.5	7.0	7.5	8.5	7.5	9.0	6.5	9.5	9.5	5.5	9.5	
5	12.5	5.5	2.5	2.5	4.5	5.0	6.0	3.0	3.0	3.5	3.5	3.5	3.5	6.0	7.5	8.5	7.0	6.5	4.0	3.5	4.0	5.5	5.5	5.5	5.0	12.5	
6	4.0	4.5	4.5	6.5	6.5	2.5	2.0	2.0	2.5	3.0	3.0	3.5	5.0	6.0	10.0	11.0	9.5	10.5	8.0	6.5	3.5	3.5	5.0	3.5	5.5	11.0	
7	3.0	2.5	2.0	2.5	2.5	2.0	2.0	2.5	2.0	3.0	4.5	9.5	11.0	14.0	11.0	8.0	6.5	5.5	11.5	10.0	3.5	4.0	4.0	4.0	4.5	5.5	14.0
8	3.0	2.5	3.5	1.5	2.0	1.5	2.0	1.5	3.0	3.5	4.0	4.5	6.0	6.0	5.0	4.0	4.0	7.5	13.0	15.5	10.5	11.0	10.5	4.0	4.5	15.5	
9	2.5	4.5	5.0	3.0	3.5	3.0	2.0	3.0	3.0	11.5	16.5	16.0	11.5	12.5	12.0	16.0	11.0	4.5	4.0	3.0	5.5	2.5	3.0	3.0	7.0	16.5	
10	3.0	2.0	4.5	3.0	3.0	5.0	2.5	2.5	2.0	5.5	11.5	7.5	13.5	15.0	14.5	16.0	19.5	13.5	15.0	11.5	7.0	5.0	5.5	3.5	8.0	19.5	
11	2.5	2.5	4.0	3.5	5.0	7.0	5.5	3.0	3.0	3.5	4.5	4.0	4.5	4.5	6.5	11.5	8.5	7.5	6.0	4.0	3.5	4.5	10.5	3.5	5.5	11.5	
12	3.0	7.5	9.0	8.0	3.0	2.5	4.0	4.5	7.5	10.0	10.0	9.5	11.5	12.0	10.5	9.5	8.5	10.0	5.5	3.5	4.5	4.5	3.0	2.5	7.0	12.0	
13	2.5	2.5	3.0	2.5	3.5	3.5	2.5	3.5	4.0	4.5	5.0	6.0	3.5	5.0	3.5	5.5	15.5	9.5	7.0	6.0	7.5	7.5	5.0	7.0	5.0	15.5	
14	5.5	5.0	5.5	6.0	1.0	2.0	2.5	2.5	2.5	3.0	4.0	3.0	3.0	4.0	6.5	8.0	9.0	10.5	8.5	7.0	6.0	9.0	5.5	4.0	5.0	10.5	
15	4.0	1.5	3.0	6.5	2.0	3.5	3.0	3.0	3.0	4.0	4.0	4.0	5.5	6.0	6.0	7.0	4.5	5.0	3.0	6.5	8.0	6.5	5.0	5.0	4.5	8.0	
16	5.5	3.0	2.5	5.0	3.0	5.0	4.5	3.0	3.0	3.5	8.0	5.5	4.5	10.0	7.5	8.5	4.0	9.5	8.5	8.5	12.0	4.5	6.0	6.5	6.0	12.0	
17	7.0	7.0	8.0	4.5	9.5	10.0	7.0	6.0	10.0	6.5	3.0	2.5	3.0	4.0	4.0	4.0	4.5	3.0	3.5	3.0	3.0	2.5	2.5	3.5	5.0	10.0	
18	6.5	8.0	6.5	6.5	2.5	6.0	3.5	2.5	3.0	3.5	4.0	5.0	4.0	4.5	4.5	5.0	4.0	4.0	4.5	3.0	1.5	2.5	6.0	4.5	4.5	8.5	
19	4.0	2.0	3.0	5.0	1.5	1.5	2.5	2.5	3.5	3.5	3.5	5.5	6.5	5.5	4.5	6.0	5.0	4.5	4.5	5.0	4.5	4.0	4.0	4.0	4.0	6.5	
20	5.0	3.0	2.5	2.0	4.0	2.0	2.0	2.0	2.5	3.0	2.5	3.0	4.0	5.0	5.0	5.0	4.0	5.0	4.0	4.5	4.0	3.5	6.0	7.0	4.0	7.0	
21	3.5	3.0	5.0	2.5	2.5	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	4.0	4.5	4.5	4.5	4.5	5.5	3.5	3.0	4.5	6.0	7.0	4.0	9.0	
22	9.0	3.5	4.0	3.0	2.0	1.5	1.0	1.5	3.0	2.5	3.5	3.0	4.0	5.0	6.0	12.0	10.0	11.0	10.0	14.5	14.5	14.5	11.0	4.5	6.5	14.5	
23	4.5	9.0	9.0	3.0	6.5	8.0	8.5	10.0	11.5	17.0	14.5	14.5	15.0	14.5	15.5	13.0	14.5	14.0	12.5	15.0	17.0	14.5	9.0	6.0	4.5	17.0	
24	12.5	10.5	13.5	11.0	12.0	14.0	13.0	6.0	12.5	21.0	17.5	20.5	21.0	19.0	19.5	18.5	17.0	16.5	15.5	9.5	14.5	14.0	13.0	13.5	15.0	21.0	
25	8.5	7.0	5.5	9.0	8.5	5.5	6.5	10.5	10.5	12.0	11.0	13.0	14.5	14.0	15.0	15.0	12.5	9.5	9.0	6.0	5.5	7.0	4.5	4.0	9.5	15.0	
26	7.0	3.0	8.5	2.5	1.5	1.5	2.5	3.5	4.0	4.0	5.0	5.5	8.5	11.0	12.5	10.5	12.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6.0	12.5	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6.0	12.5
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
AV	5.0	4.5	4.5	4.5	4.0	4.0	3.5	4.5	6.0	6.5	6.5	6.5	7.5	8.5	8.5	9.0	9.0	8.5	7.5	7.0	7.0	6.5	6.0	5.5	6.0	()	
SD	3.0	2.5	2.5	2.5	3.0	2.5	3.0	2.5	3.0	4.5	4.5	4.5	4.5	4.0	4.0	4.5	4.5	3.5	3.0	3.5	4.5	3.5	2.5	2.5	2.5	()	

WIND SPEED (CCT101)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

JUN, 1980

AEROVIRONMENT INC.

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*
* FINAL DATA
* AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	3.0	7.0	4.0	4.5	6.5	3.0	4.0	4.0	4.5	5.0	6.5	9.0	11.0	6.5	13.0	8.5	7.0	6.0	12.5	8.5	6.0	8.0	6.0	5.5	6.5	13.0
2	8.0	7.0	6.0	2.0	2.5	2.0	2.0	2.5	3.5	10.5	12.0	12.5	11.5	12.5	12.0	13.5	14.5	14.5	16.0	13.5	13.0	6.5	6.5	6.5	6.5	9.0	16.0
3	9.5	7.0	8.5	9.0	4.0	6.0	6.0	7.0	0.0	14.0	15.0	15.0	15.0	17.0	15.5	14.5	14.5	14.0	14.0	13.5	6.5	6.0	6.0	6.0	6.5	10.5	17.0
4	10.5	7.5	6.0	9.0	9.0	8.5	7.5	4.0	7.5	14.0	16.5	14.0	14.5	11.0	16.0	17.0	17.5	14.5	14.5	12.0	9.0	9.5	10.0	9.0	9.5	11.5	17.5
5	6.5	6.5	7.5	3.5	9.0	2.5	4.5	3.0	4.0	9.5	9.5	13.5	14.0	14.0	17.0	16.5	16.0	14.0	13.5	13.5	9.5	9.5	9.0	9.0	9.5	17.0	17.0
6	9.5	5.5	4.0	3.0	2.0	2.5	10.5	13.0	12.0	15.0	19.0	16.5	15.5	17.5	17.0	18.0	14.5	10.0	7.0	3.0	3.5	3.0	3.5	3.0	10.5	19.0	
7	4.0	6.0	5.5	3.0	2.5	1.0	2.5	3.5	3.5	6.0	5.0	5.0	6.0	7.5	6.5	6.0	6.0	6.0	5.5	2.5	3.0	8.0	7.0	8.0	5.0	8.0	8.0
8	5.5	2.5	2.5	3.0	1.5	4.0	2.5	3.0	3.0	4.0	4.0	4.5	6.5	6.5	7.5	7.0	5.0	7.0	5.0	3.0	4.0	4.5	6.5	3.5	4.5	7.5	7.5
9	3.0	1.5	2.5	3.0	2.0	2.0	2.5	3.0	3.5	5.0	4.5	5.5	5.0	7.0	7.0	5.5	4.5	4.5	3.5	6.5	6.5	7.0	6.5	8.0	4.5	8.5	8.5
10	6.0	2.5	3.0	2.5	3.5	1.5	2.0	3.0	3.5	4.0	3.5	4.0	6.5	12.5	14.0	12.0	10.5	10.5	10.0	7.0	9.0	8.0	6.0	6.0	3.5	6.5	14.0
11	3.0	2.5	2.5	2.5	1.5	2.5	2.5	4.0	4.0	11.5	12.5	10.5	15.0	16.0	16.0	15.5	12.0	13.5	11.5	9.5	12.0	13.5	13.0	10.0	9.0	10.0	16.0
12	8.5	9.5	6.5	3.5	4.0	2.5	3.0	9.0	11.5	12.5	14.0	13.5	14.5	16.0	15.5	15.0	15.5	14.5	10.5	10.5	16.0	8.0	3.0	2.0	10.0	16.0	
13	2.5	7.5	4.5	3.0	1.5	2.0	1.5	2.5	2.5	4.0	13.5	14.5	15.0	14.0	13.5	14.5	13.0	14.0	12.5	9.5	9.5	12.5	9.0	3.0	8.5	15.0	15.0
14	2.0	3.5	2.5	1.5	2.0	4.0	3.5	3.0	7.5	11.5	18.0	16.0	16.0	14.5	16.0	16.5	13.0	15.5	14.0	13.0	17.0	10.5	9.0	5.5	9.5	17.0	
15	5.5	4.0	3.0	4.0	5.0	4.5	4.0	2.5	5.0	5.5	6.0	8.5	9.0	10.5	11.5	10.5	9.5	9.5	7.5	5.5	4.0	5.0	2.0	3.0	6.0	11.5	11.5
16	4.5	2.5	2.5	2.0	2.0	1.5	2.0	5.0	3.5	6.0	6.5	6.5	5.5	7.0	7.5	5.5	6.0	4.5	2.5	2.5	4.5	7.5	8.5	6.5	5.5	8.5	8.5
17	2.5	4.5	2.5	1.5	2.0	2.5	2.5	2.5	4.0	4.0	4.5	5.0	6.5	7.0	7.0	7.0	4.0	2.5	2.0	2.5	4.5	7.5	8.5	7.5	4.5	8.5	8.5
18	2.0	2.0	2.5	2.0	2.5	1.5	3.0	2.5	3.5	3.5	6.5	7.0	5.5	4.5	6.5	9.0	5.5	7.0	6.0	5.0	9.5	6.0	2.5	7.0	5.0	9.5	9.5
19	4.5	4.0	3.0	4.5	6.0	5.5	5.0	3.5	5.0	5.0	4.5	8.0	9.5	14.5	17.5	13.0	7.5	6.0	3.0	2.5	8.0	7.0	5.0	4.0	6.5	17.5	17.5
20	3.5	3.5	5.5	2.5	2.5	2.0	3.0	2.5	3.0	4.5	4.5	4.5	6.0	5.0	10.0	11.5	9.5	8.0	9.5	9.5	9.0	10.0	5.5	3.0	6.0	11.5	11.5
21	4.0	4.0	2.5	2.5	2.5	2.5	2.5	3.5	4.0	4.5	6.0	8.5	11.0	13.5	12.5	13.0	11.5	12.0	7.0	5.0	4.0	4.5	4.5	5.0	6.5	13.5	13.5
22	4.0	2.0	2.5	2.0	2.0	3.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.5	11.5	10.5	9.5	10.0	8.0	8.0	11.0	6.0	6.0	6.0	6.0	11.5	11.5
23	10.0	10.5	10.0	5.0	5.5	13.5	10.5	10.5	15.0	17.0	14.5	13.5	16.5	17.5	21.5	20.5	19.0	15.5	13.5	10.5	9.5	9.0	2.5	2.0	12.5	21.5	21.5
24	6.0	4.0	3.0	2.5	3.0	2.0	2.5	2.5	3.0	3.5	4.5	11.5	13.0	13.0	13.0	12.0	12.5	12.5	13.5	9.0	10.5	6.0	13.0	11.5	8.0	13.5	13.5
25	5.0	3.0	2.0	3.0	2.5	1.5	2.0	2.5	3.5	4.0	11.0	12.5	5.0	13.0	10.0	13.0	14.0	15.5	14.0	13.0	9.5	7.5	8.5	16.5	8.0	16.5	16.5
26	3.5	2.0	2.5	2.0	2.0	4.5	3.0	3.0	10.5	14.0	15.0	16.5	15.5	17.5	16.0	15.5	15.0	15.5	12.5	10.5	13.0	9.5	8.0	7.5	10.0	17.5	17.5
27	9.0	13.0	9.5	16.5	7.5	8.5	8.0	6.5	5.5	7.0	5.0	10.0	9.5	12.5	12.0	15.0	12.5	13.0	6.5	4.0	2.0	2.5	4.0	2.0	2.5	4.0	16.5
28	6.5	7.5	3.5	7.0	2.5	4.0	3.5	3.5	5.5	4.0	4.5	6.0	4.5	6.0	7.5	6.0	5.5	4.0	3.0	3.5	9.0	3.0	2.5	6.5	5.0	9.0	9.0
29	4.0	2.5	2.5	5.5	6.5	5.0	4.5	4.0	4.0	5.5	6.5	11.0	10.0	9.0	7.0	10.5	15.0	10.5	3.0	9.0	4.0	5.0	6.5	2.5	6.5	15.0	15.0
30	2.5	2.5	3.0	2.0	2.5	5.0	4.0	3.5	8.0	7.5	9.5	9.0	7.0	6.5	6.5	6.5	6.5	5.0	2.5	12.5	7.0	8.5	8.5	6.0	6.0	12.5	12.5
AV	5.5	5.0	4.5	4.0	3.5	4.0	4.0	4.5	5.5	7.5	6.5	10.0	10.5	11.5	12.0	12.0	11.0	11.0	9.5	8.5	8.5	7.5	6.5	6.0	7.5	11.5	11.5
90	2.5	3.0	2.5	3.0	2.0	2.5	2.5	3.0	4.0	4.5	4.5	4.0	4.0	3.5	4.0	3.5	4.5	4.5	4.5	4.0	4.5	2.5	3.0	3.0	2.0	2.0	2.0

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
JUL, 1980

AEROVIRONMENT INC.

FINAL DATA
AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.0	4.0	5.5	6.5	3.5	2.0	2.0	4.5	4.0	6.0	6.0	4.5	3.5	6.0	7.5	13.0	5.5	8.5	13.0	12.5	7.5	7.5	5.0	5.0	6.0	13.0
2	4.5	2.5	2.0	3.0	4.0	2.5	4.0	3.5	2.5	3.5	3.5	7.5	11.5	7.0	5.0	4.5	3.5	3.5	10.0	11.5	9.0	11.0	11.5	5.5	5.5	11.5
3	7.5	2.5	4.0	5.0	3.0	2.0	2.5	3.0	4.5	5.0	5.0	5.5	14.5	3.5	4.5	10.5	8.0	0.5	5.0	4.0	6.0	4.0	3.5	6.0	5.5	14.5
4	5.0	3.5	10.0	10.0	3.0	6.0	5.0	4.5	4.5	5.0	4.5	6.0	6.0	7.0	6.0	5.5	3.5	8.0	5.5	3.5	8.0	8.0	6.5	6.0	6.0	10.0
5	3.5	2.5	1.5	2.5	1.5	1.5	2.5	2.5	4.0	4.5	5.5	5.5	12.5	13.0	14.0	14.0	13.0	10.5	6.0	7.0	11.5	12.0	8.5	6.0	7.0	10.0
6	6.0	3.0	2.0	1.5	1.5	1.0	2.5	1.5	3.5	4.0	4.0	6.0	7.5	10.0	10.0	10.0	13.5	7.0	5.0	4.0	4.0	3.0	6.5	3.5	5.5	13.5
7	7.5	4.0	6.5	4.0	3.0	5.0	2.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	4.5	7.5
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
17	5.5	8.5	7.5	3.0	1.5	3.0	2.5	3.0	3.5	4.5	4.5	3.0	5.5	7.0	9.5	6.0	6.5	7.0	4.0	3.0	3.0	6.5	5.5	5.5	5.5	9.5
18	4.5	5.5	4.0	2.0	2.0	2.5	4.0	3.0	3.5	3.5	3.5	7.0	6.0	7.0	8.0	9.0	11.5	14.5	11.5	10.0	8.0	4.0	2.5	6.5	6.5	14.5
19	3.5	7.5	4.0	2.5	3.0	3.0	2.5	2.0	4.0	5.5	5.0	9.0	9.5	11.5	13.0	11.5	12.5	10.0	9.5	10.0	6.5	7.5	3.5	4.0	7.0	13.0
20	3.0	2.5	3.0	2.5	3.0	3.0	2.5	3.0	2.5	3.5	3.5	4.0	5.0	7.5	9.0	8.0	9.0	0.0	5.0	4.0	3.5	2.5	3.0	2.5	4.5	9.0
21	3.5	6.0	2.5	2.5	2.0	1.5	2.0	1.5	4.5	5.5	5.0	6.5	6.5	6.0	9.0	9.5	10.0	7.0	8.0	3.5	2.5	2.0	3.5	4.0	5.0	10.0
22	3.5	8.0	7.0	4.5	5.0	3.0	2.5	2.5	3.0	4.0	4.5	5.5	8.5	11.0	10.5	10.0	11.0	9.0	7.5	7.0	5.5	4.5	3.0	5.5	6.0	11.0
23	4.5	6.0	5.5	3.0	3.0	3.0	3.5	3.5	5.0	3.5	4.0	4.5	7.5	6.5	9.5	16.0	7.5	6.5	5.5	3.5	3.0	3.5	5.5	2.5	5.5	16.0
24	3.0	3.5	3.5	2.5	3.0	3.5	2.0	2.0	3.0	3.0	3.5	3.5	6.0	7.0	8.5	9.0	6.5	5.5	13.5	10.5	9.0	4.5	4.5	2.5	5.0	13.5
25	3.0	2.0	2.0	3.0	2.0	3.0	5.5	3.5	4.5	3.0	4.5	5.5	6.5	7.5	9.0	11.5	7.5	6.0	4.5	5.5	4.0	9.5	16.0	3.5	5.5	16.0
26	3.5	6.0	6.5	6.0	3.5	5.5	2.0	3.0	2.5	4.0	4.5	4.0	4.5	7.5	9.0	6.5	9.0	6.0	8.5	7.5	10.5	9.0	4.5	6.5	6.0	10.5
27	6.5	6.0	4.5	2.5	2.5	3.0	2.0	2.5	3.5	3.0	2.5	4.0	6.0	5.5	7.0	6.0	4.5	7.0	4.5	3.0	3.0	2.0	8.0	5.0	4.5	8.0
28	4.0	3.0	2.0	3.5	2.5	2.5	3.0	3.0	4.0	4.0	4.0	4.5	6.0	7.5	8.5	9.0	7.5	6.0	5.0	2.5	2.0	6.5	10.0	7.5	5.0	10.0
29	4.5	2.5	2.5	1.5	2.5	3.0	4.0	3.0	3.0	4.0	4.0	5.5	7.0	14.0	11.5	10.0	7.5	11.0	8.5	4.5	5.0	7.0	4.0	6.5	5.5	14.0
30	5.0	2.0	2.5	1.5	2.5	2.5	3.5	2.5	3.0	5.0	5.0	5.5	9.0	7.0	9.5	9.0	6.5	8.0	6.5	6.0	4.0	5.0	3.0	4.0	5.0	9.5
31	4.0	2.5	4.5	4.5	5.5	2.5	2.5	1.5	3.0	4.0	4.0	4.5	5.5	6.0	6.0	5.5	6.5	8.0	10.0	4.5	7.0	4.0	2.0	3.0	5.0	10.0
AV	4.5	4.5	4.5	3.5	3.0	3.0	3.0	3.5	4.0	4.5	4.5	5.5	7.5	6.0	9.0	9.5	8.5	8.0	7.5	6.5	6.0	6.0	6.0	5.0	5.5	11.0
SD	1.5	2.0	2.0	2.0	1.0	1.5	1.0	1.0	1.5	1.0	1.0	1.0	2.5	2.5	2.0	3.0	2.5	2.5	2.5	3.0	2.5	3.0	3.5	1.5	3.5	11.0

WIND SPEED (CCE01)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2.5	3.0	1.5	3.0	2.5	4.0	3.0	5.0	3.0	3.0	2.5	3.5	5.0	3.5	7.5	8.5	9.0	10.0	10.0	9.5	4.5	4.0	9.0	4.5	5.5	10.0
2	4.5	4.0	6.0	3.0	2.5	2.0	1.5	2.0	2.0	3.5	4.5	3.0	4.5	7.5	11.0	10.0	9.0	7.0	9.0	12.5	10.0	5.0	3.5	2.5	5.5	12.5
3	2.0	3.5	2.5	8.0	5.5	2.5	2.5	6.0	3.5	2.5	2.5	5.0	9.0	15.5	22.0	20.5	19.0	21.5	20.5	20.0	18.5	12.0	9.5	8.5	10.0	22.0
4	4.0	9.0	6.5	3.5	5.0	6.0	3.0	2.0	3.5	3.5	4.5	5.5	8.5	10.0	10.5	10.0	9.0	9.5	10.5	12.5	10.5	8.5	6.0	4.5	7.0	12.5
5	7.0	9.0	7.0	4.5	2.5	3.5	2.5	2.0	3.0	3.0	4.0	4.0	6.0	6.5	7.5	6.0	5.0	12.0	12.0	10.5	10.0	6.5	6.5	9.0	6.5	12.0
6	9.5	4.0	5.5	7.0	5.0	3.0	3.5	2.5	3.5	3.5	7.0	7.0	14.0	15.0	13.0	11.5	8.5	9.0	6.5	4.0	7.5	8.5	3.0	2.5	7.0	15.0
7	2.5	3.5	6.0	2.5	2.5	3.0	2.5	4.0	6.0	5.5	5.5	6.0	8.0	7.5	7.5	5.0	6.5	4.0	4.0	5.5	7.5	6.0	6.0	7.5	5.0	6.0
8	7.0	8.0	2.5	3.0	3.0	2.5	2.5	3.0	4.0	4.0	5.0	6.5	8.5	12.0	13.5	10.0	7.0	7.0	3.0	2.0	4.0	3.0	4.5	7.0	5.5	13.5
9	12.5	10.5	4.0	2.5	2.5	5.0	5.0	11.0	10.0	8.5	10.0	10.5	12.5	11.5	14.5	11.5	9.5	9.5	3.5	2.0	3.0	4.5	4.5	5.0	7.5	14.5
10	3.0	2.5	3.5	2.5	3.0	2.0	2.5	3.0	3.0	3.5	5.0	9.5	12.5	11.5	13.0	12.0	12.0	12.0	10.5	7.5	5.0	3.5	7.0	6.0	6.5	13.0
11	2.0	1.5	1.5	2.5	2.0	2.5	2.5	2.5	3.0	4.0	4.0	4.5	5.0	5.5	5.5	6.5	4.5	5.0	3.0	2.5	7.0	3.0	2.0	3.0	4.0	7.0
12	2.5	3.0	4.0	3.0	3.0	3.0	3.0	5.0	7.5	10.0	6.5	8.0	10.0	9.5	6.0	6.5	10.5	7.0	7.5	12.0	13.0	10.0	3.5	6.5	6.5	13.0
13	2.5	2.0	2.5	4.0	5.0	2.0	3.0	3.0	3.0	5.5	6.0	7.5	10.5	12.0	10.5	11.0	8.0	11.0	4.5	10.0	10.0	6.0	4.0	6.0	6.5	12.0
14	3.5	4.5	3.0	3.0	4.0	2.5	4.5	3.5	4.5	5.0	5.5	7.0	5.5	7.5	10.0	9.5	7.5	7.5	13.0	12.0	8.5	5.0	5.0	4.0	6.0	13.0
15	4.5	3.0	4.5	10.0	10.0	6.0	3.5	2.5	3.5	4.0	5.0	9.5	12.0	12.5	12.5	11.5	14.0	8.5	7.5	11.0	12.5	7.5	5.0	3.0	7.5	18.0
16	5.0	4.5	2.5	2.5	3.0	1.5	2.5	2.5	4.5	5.0	7.5	6.5	7.5	9.5	9.0	8.0	5.5	5.0	4.5	4.5	6.0	5.5	3.5	4.0	5.0	9.5
17	4.5	3.5	2.5	3.5	2.5	3.0	3.0	2.0	3.0	3.0	4.5	4.0	4.5	5.0	9.0	7.0	4.5	6.0	6.0	5.5	3.5	3.0	3.5	6.5	4.5	9.0
18	7.0	2.5	4.5	3.0	2.0	2.5	1.5	2.5	6.0	12.0	16.0	14.5	16.0	17.0	16.0	19.0	18.0	14.5	12.0	10.0	11.5	10.0	11.0	9.5	10.0	18.0
19	9.0	8.0	9.0	12.5	10.0	9.5	10.5	13.0	16.0	17.0	15.0	13.0	17.5	15.5	15.5	9.5	10.0	16.5	4.5	5.5	4.0	6.5	3.0	2.5	11.0	18.0
20	3.0	3.0	6.0	5.5	6.0	7.5	4.0	3.0	8.5	4.0	6.0	6.5	8.0	9.5	5.5	5.0	4.5	3.5	4.0	4.5	6.0	3.0	5.5	7.5	5.0	9.5
21	5.0	6.5	5.0	3.0	2.0	1.5	1.5	3.0	3.5	4.0	4.5	5.0	5.5	5.5	7.5	7.0	4.5	4.0	3.5	4.0	4.5	6.0	3.0	5.5	5.0	9.5
22	4.5	3.0	4.0	4.0	2.0	2.0	1.5	2.5	2.5	4.5	3.5	5.0	11.0	12.5	14.0	11.5	13.5	13.5	11.5	6.0	6.0	5.0	3.0	4.0	4.5	10.0
23	6.0	7.5	6.0	6.0	6.5	3.0	2.5	4.0	10.5	12.0	12.5	9.5	13.5	12.0	14.5	8.0	6.0	8.5	15.0	11.0	12.0	15.0	7.5	5.0	9.0	15.0
24	2.0	1.5	2.5	2.5	6.5	9.0	3.5	3.0	3.0	5.5	5.5	6.5	5.5	5.5	7.0	7.5	8.0	7.0	6.5	6.0	2.5	7.0	12.0	9.5	5.5	15.0
25	3.5	4.5	5.5	6.0	4.0	4.0	3.0	3.5	4.5	3.5	3.5	4.0	4.0	4.0	5.5	10.0	9.0	5.5	3.0	3.0	5.5	8.0	4.0	3.5	5.0	15.0
26	2.5	3.0	2.5	2.0	2.5	5.0	3.0	3.0	3.5	3.0	3.5	3.0	3.5	4.5	11.5	12.5	10.5	9.5	7.0	5.0	6.5	5.0	4.0	2.5	4.5	10.0
27	3.0	3.5	3.0	1.5	2.5	2.0	3.0	2.5	3.0	3.5	4.0	3.5	4.0	4.5	12.5	10.5	9.5	9.5	7.0	5.0	6.5	2.5	3.5	4.0	2.5	10.0
28	5.5	3.0	2.5	2.5	3.0	2.0	2.5	3.5	2.5	4.0	9.0	15.0	17.5	15.5	14.5	14.5	14.0	14.0	9.5	10.0	10.0	9.0	10.0	11.0	8.0	17.5
29	11.0	6.5	6.0	9.0	7.5	3.0	4.5	7.0	4.5	7.5	10.0	10.0	13.5	14.5	13.5	10.5	11.0	11.0	9.5	8.5	6.5	7.5	3.5	3.0	3.5	18.0
30	4.5	3.0	3.5	3.0	2.0	3.0	3.5	3.0	2.5	2.5	3.0	5.0	8.0	5.0	8.0	14.5	13.0	12.5	15.0	12.0	6.0	2.5	2.5	2.5	6.0	15.0
31	5.5	3.0	3.5	5.5	6.0	3.0	2.5	3.0	3.0	3.0	2.5	2.5	4.5	6.5	6.5	11.5	10.0	7.0	4.0	2.5	3.5	3.0	3.0	2.0	4.5	11.5
AV	5.0	4.5	4.0	4.5	4.0	3.5	3.0	4.0	4.5	5.0	4.0	7.0	8.5	9.5	10.5	10.5	9.5	9.0	8.5	7.5	7.5	6.5	5.5	5.0	6.5	11.0
SD	2.5	2.5	2.0	2.5	2.0	2.0	1.5	2.5	3.0	3.5	3.5	3.5	3.5	4.0	4.0	3.5	3.5	4.0	4.5	4.0	3.5	3.0	2.5	2.5	2.0	11.0

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

SEP. 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5.0	4.5	2.5	3.0	2.5	2.5	2.5	1.5	2.0	2.5	3.0	4.0	4.0	6.0	7.0	5.0	4.5	4.5	3.5	3.0	2.5	5.5	3.5	3.0	3.5	7.0	
2	4.0	6.0	2.0	2.5	1.5	2.5	3.0	2.0	2.0	3.0	3.5	4.0	6.0	6.0	11.5	15.5	13.0	12.0	12.0	6.0	6.0	6.5	9.5	11.5	6.5	15.5	
3	2.5	3.0	6.0	7.5	3.0	2.5	4.5	2.0	1.5	2.5	3.5	4.5	7.5	4.0	12.0	10.0	10.0	10.0	7.0	7.0	5.0	2.5	3.0	4.5	5.0	12.0	
4	8.0	3.0	3.0	7.5	2.5	2.5	3.0	2.0	2.5	2.5	3.0	3.5	4.0	5.0	6.5	6.0	4.5	3.5	2.0	2.5	2.5	6.5	7.5	3.0	4.0	4.0	
5	5.5	3.0	3.5	2.5	2.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.0	5.0	7.0	6.5	5.5	6.0	3.0	3.0	5.0	6.5	2.5	6.0	4.0	7.0	
6	2.5	2.5	3.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	4.0	6.0	7.5	6.5	9.0	13.5	6.0	6.0	3.5	4.5	6.0	7.0	7.5	7.5	5.5	13.5	
7	8.5	4.0	4.0	2.5	2.0	3.5	2.0	2.0	3.0	6.5	5.0	4.5	2.5	3.0	3.0	3.0	6.5	5.5	2.0	3.0	4.5	6.5	5.0	2.0	4.0	8.5	
8	7.5	6.5	4.0	3.5	4.5	4.0	2.5	4.0	7.5	6.0	4.5	3.0	4.5	3.0	3.0	3.5	2.5	3.0	2.5	1.5	1.5	3.0	2.5	2.0	4.0	7.5	
9	3.0	2.0	2.0	1.5	2.0	1.5	2.5	3.0	3.0	6.0	4.0	5.0	4.5	6.0	5.5	6.0	4.5	4.0	6.0	3.0	3.0	2.5	2.5	2.5	3.5	8.0	
10	2.0	2.0	2.5	3.0	2.5	2.0	1.5	2.5	3.5	3.0	12.5	4.5	6.0	3.0	3.5	3.0	6.0	6.0	4.0	3.5	5.0	4.0	5.0	5.0	4.0	12.5	
11	3.0	2.0	5.0	3.0	2.5	2.5	3.5	3.5	2.0	11.5	12.5	13.5	13.0	15.0	12.5	12.5	13.0	6.5	4.0	7.0	5.0	4.0	5.5	4.5	7.0	15.0	
12	4.5	5.0	4.0	3.0	3.0	2.0	2.0	3.0	3.0	6.5	3.5	4.0	5.0	5.5	4.0	7.5	5.0	5.0	6.5	6.0	6.0	3.5	8.5	3.5	4.5	4.5	
13	5.0	5.0	2.5	3.0	3.0	3.0	2.5	2.5	2.0	3.0	3.0	9.5	15.0	13.5	15.5	13.5	10.5	10.5	5.5	5.0	5.0	7.5	8.5	11.0	7.0	15.5	
14	6.5	3.0	4.5	5.0	2.5	2.5	2.0	2.0	4.0	5.5	10.5	11.5	7.5	7.0	8.0	7.5	6.5	3.5	2.5	4.0	3.5	3.0	3.0	5.0	5.0	11.5	
15	2.0	1.5	2.5	2.5	2.0	1.5	2.5	3.5	2.5	3.0	5.0	5.5	7.0	8.0	10.5	11.5	10.0	9.0	7.0	6.5	7.5	6.5	4.5	3.0	5.5	11.5	
16	3.5	4.0	2.5	2.0	2.0	3.0	2.5	4.5	4.5	6.5	14.0	15.5	15.0	13.0	14.5	13.5	12.5	13.0	12.5	12.0	12.0	9.5	5.5	4.5	8.5	15.5	
17	4.5	7.0	8.5	5.5	3.5	4.0	2.0	3.0	4.5	3.0	7.0	9.0	9.0	10.0	6.5	6.0	5.0	7.0	5.5	4.0	3.5	9.0	7.5	6.0	6.0	10.0	
18	5.0	4.0	4.0	3.0	3.5	2.5	2.5	2.5	2.5	1.5	3.5	3.0	6.0	7.5	10.5	14.5	13.0	10.0	9.0	8.5	9.5	12.0	13.0	14.0	7.0	14.5	
19	9.0	9.5	10.0	11.5	11.0	11.5	11.5	9.5	15.5	13.5	14.0	15.0	15.5	16.5	15.0	13.0	11.5	7.5	4.5	7.5	7.5	9.0	8.0	5.5	11.0	16.5	
20	5.5	3.0	3.5	4.0	3.5	4.5	2.0	2.5	2.5	4.0	5.0	6.0	7.0	5.5	5.0	4.0	4.0	2.5	3.0	5.5	4.0	6.0	3.5	8.5	4.5	4.5	
21	3.5	2.5	4.0	3.0	2.5	3.0	2.5	5.5	2.5	3.5	7.5	10.0	11.0	10.5	13.5	14.5	11.0	6.5	10.0	7.5	10.0	4.0	3.0	2.0	6.5	14.5	
22	2.0	1.5	2.5	1.5	1.5	1.5	1.5	2.0	4.0	3.0	5.0	5.5	5.5	4.0	4.5	4.0	4.5	3.5	3.0	2.0	4.5	7.0	3.5	5.5	3.5	7.0	
23	3.0	1.5	3.0	2.0	2.5	3.0	2.0	2.0	2.5	3.0	3.0	3.5	4.5	6.0	5.5	4.5	3.5	4.0	4.0	3.0	2.5	3.0	4.0	2.5	3.5	6.0	
24	3.0	6.5	6.5	4.0	5.5	2.5	1.5	3.0	3.0	2.0	5.5	12.0	10.5	11.0	7.0	5.0	3.0	2.5	2.5	3.0	3.5	2.5	3.0	3.0	4.5	12.0	
25	3.5	2.5	1.5	3.0	2.0	2.5	2.0	1.5	3.0	4.0	3.5	5.5	6.0	5.5	6.0	7.5	6.0	3.5	2.5	2.0	4.5	3.5	5.0	4.0	4.0	7.5	
26	3.0	2.5	2.5	1.5	2.0	1.5	2.0	2.0	2.5	3.0	4.0	4.0	5.0	5.0	5.5	5.0	4.5	4.5	3.0	6.5	6.5	2.5	2.5	3.0	3.5	6.5	
27	4.5	5.5	3.0	1.5	2.5	2.0	2.0	2.5	2.5	2.5	3.5	3.5	4.0	5.5	5.0	5.5	5.0	3.0	2.0	3.0	4.5	5.0	4.5	5.5	3.5	6.5	
28	2.5	1.5	3.0	2.5	2.0	1.0	2.0	1.0	2.0	2.5	3.5	4.0	3.5	6.0	7.0	5.0	5.0	3.0	3.0	3.0	3.0	4.0	2.5	2.5	3.0	7.0	
29	2.5	4.5	4.0	4.0	3.0	3.0	2.5	1.5	2.5	3.0	3.5	5.0	5.0	4.0	4.0	4.0	6.5	4.5	2.5	2.0	3.0	5.5	2.5	3.0	3.5	6.5	
30	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.5	3.0	4.0	3.0	4.0	4.5	5.0	5.0	4.5	2.5	2.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0
AV	4.0	3.5	4.0	3.5	3.0	3.0	2.5	2.5	3.5	4.5	5.5	6.5	7.0	7.5	7.5	7.5	6.0	5.0	5.0	5.0	5.5	5.5	5.0	5.0	5.0	5.0	5.0
SD	2.0	2.0	2.0	2.0	2.0	1.5	2.0	1.5	2.5	3.0	3.5	4.0	3.5	3.5	4.0	3.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, M139
RONANZA, UTAH
SITE 13

OCT, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.5	3.5	3.5	2.0	2.5	3.0	2.0	2.5	2.5	3.0	5.0	4.5	4.5	5.5	5.0	4.0	5.0	2.5	3.5	5.5	2.5	3.5	3.5	4.0	3.5	5.5
2	6.0	4.5	4.0	3.0	4.5	6.0	6.5	7.5	7.0	6.0	6.5	5.5	6.0	3.5	3.5	3.0	2.5	2.0	5.5	2.5	2.0	2.0	1.5	1.5	4.5	4.5
3	2.0	1.5	1.5	2.0	1.5	2.0	2.0	2.0	2.5	3.0	3.0	3.5	3.5	4.5	4.5	3.0	2.0	3.0	4.0	3.0	3.0	2.0	2.0	3.0	2.5	4.5
4	2.0	3.0	2.0	3.0	2.0	1.5	2.5	2.5	1.5	3.5	3.0	4.0	4.0	5.0	5.0	3.5	3.0	5.0	2.5	7.5	3.5	2.5	3.0	2.5	3.5	7.5
5	3.0	2.5	2.0	2.5	3.0	2.0	2.5	2.5	3.0	3.0	4.0	4.0	4.5	5.5	5.5	4.5	2.5	2.0	1.5	3.5	3.0	3.5	3.5	2.0	3.0	5.5
6	2.5	2.0	1.5	1.5	1.5	1.5	1.5	2.5	3.0	3.0	3.0	4.5	6.0	5.5	4.5	3.5	2.0	2.0	2.0	4.5	2.5	4.5	2.5	2.0	3.0	6.5
7	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	2.5	5.0	5.0	4.5	4.5	3.0	2.0	1.5	2.0	3.5	4.5	1.5	2.0	2.0	2.5	5.0
8	1.5	2.0	1.5	1.5	1.5	1.5	2.0	3.0	2.0	2.5	3.5	3.5	4.5	4.0	3.5	3.0	2.0	1.5	2.0	4.5	2.5	2.0	2.0	1.5	2.5	4.5
9	2.5	2.5	2.5	1.5	2.0	2.0	2.0	2.0	3.0	4.5	4.5	4.0	3.5	3.5	5.0	4.5	4.0	2.0	2.5	3.0	2.5	2.5	3.0	3.0	3.0	5.0
10	2.0	2.0	1.5	2.0	3.0	3.0	3.0	2.5	5.5	5.0	9.0	5.5	5.5	3.5	4.5	4.5	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.5	3.5	9.0
11	2.0	1.5	1.5	1.0	1.5	1.0	1.0	1.0	2.5	4.5	5.5	5.0	6.5	5.5	3.0	2.5	2.5	4.5	5.5	3.5	2.0	3.0	2.5	2.5	3.0	4.5
12	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.5	5.0	9.0	9.0	5.0	5.5	4.0	3.5	3.0	9.0	7.5	4.5	3.0	3.5	3.5	3.5	2.5	4.0	9.0
13	4.5	6.5	3.5	2.5	3.0	3.0	3.0	2.5	2.5	4.0	6.0	5.5	7.0	5.0	5.0	6.0	5.5	5.0	6.5	7.0	6.0	6.0	3.0	2.0	4.5	4.5
14	2.5	1.5	1.0	1.5	1.5	1.5	1.5	2.5	2.0	2.5	2.5	5.5	4.0	5.0	6.0	6.5	6.5	12.5	6.5	3.0	2.5	(IM)	(IM)	(IM)	4.0	12.5
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
AV	3.0	2.5	2.0	2.0	2.0	2.5	2.5	2.5	3.0	4.0	5.0	4.5	5.0	5.0	4.5	4.0	4.0	4.0	3.5	4.0	3.0	2.5	2.5	2.5	3.5	()
90	1.0	1.5	1.0	.5	1.0	1.0	1.5	1.5	1.5	1.0	2.5	.5	1.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	1.5	1.0	.5	.5	.5	()

WIND SPEED (CC:011)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

HOVANZA, UTAH

SITE 15

NOV. 1980

AEROENVIRONMENT INC.

.....
 * * * * * FINAL DATA * * * * *
 * * * * * AS OF 15/APH/R1 * * * * *
 * * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()	
7	2.0	2.5	2.5	1.5	2.5	2.5	3.0	2.5	2.0	3.0	3.0	3.0	2.5	3.0	3.0	3.5	2.5	2.0	4.0	3.0	4.5	4.0	2.5	2.5	3.0	4.5	
8	5.0	4.0	5.0	13.5	14.0	11.5	10.0	11.5	9.0	6.5	11.0	12.0	11.5	13.0	11.5	12.0	8.0	5.0	3.0	3.0	7.5	3.0	3.0	3.0	5.0	5.0	12.5
9	1.5	3.0	2.5	2.5	2.5	1.5	2.5	2.0	2.0	3.0	3.5	3.5	3.5	3.0	2.5	3.0	2.5	2.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.5
10	1.5	2.0	1.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.5	3.5	3.0	3.5	3.5	2.5	2.5	2.5	3.0	2.0	1.5	1.5	1.5	2.0	2.0	2.5	3.5
11	2.0	2.0	2.5	2.5	2.5	2.0	2.0	2.0	1.5	2.5	2.5	2.5	3.0	3.0	2.5	1.5	2.5	3.0	5.5	4.5	4.0	3.5	2.0	3.0	2.0	2.5	3.5
12	2.5	3.0	3.0	2.5	5.0	5.0	7.0	6.0	2.5	3.0	12.0	15.5	12.5	11.5	12.5	13.5	10.0	8.0	6.5	6.0	6.5	4.5	3.0	2.5	7.0	15.5	
13	2.5	2.5	4.5	5.0	7.5	5.5	5.0	5.5	7.0	8.0	9.0	9.5	8.5	8.5	5.5	5.5	6.0	5.5	6.5	7.0	6.0	6.5	4.0	4.0	6.0	4.5	
14	3.0	1.5	2.0	3.0	3.0	3.0	4.5	4.0	4.0	6.0	3.5	4.0	5.5	4.0	3.5	3.0	3.5	6.0	6.5	7.0	3.5	3.0	2.5	3.0	4.0	7.0	
15	2.5	2.5	2.0	2.5	3.0	2.5	4.0	3.0	2.5	2.5	3.0	3.0	4.5	4.5	6.5	6.5	6.0	4.0	2.5	3.0	3.0	13.5	7.5	4.0	4.0	13.5	
16	2.5	2.0	2.0	3.0	3.0	2.5	2.0	1.5	2.5	3.5	4.0	5.0	4.5	3.0	3.5	4.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	3.0	5.0	5.0
17	2.5	2.0	2.0	2.0	3.0	4.5	4.0	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.0	2.5	2.0	2.0	2.5	1.5	2.0	2.5	2.0	2.0	2.5	3.0	4.5
18	2.0	2.0	2.5	2.0	2.0	1.5	1.5	2.5	1.5	2.5	3.0	3.0	4.0	4.0	4.0	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	1.5	2.0	2.5	5.0
19	2.5	3.0	2.5	2.5	2.5	3.0	2.5	2.0	1.5	2.5	3.0	3.0	3.0	3.0	3.5	3.0	2.5	1.5	2.0	2.5	2.5	2.5	2.0	2.0	2.0	2.5	3.5
20	2.5	2.0	2.0	2.5	2.0	2.5	2.0	2.5	2.0	2.5	3.0	3.0	4.0	5.5	4.5	4.0	3.0	2.5	3.0	5.0	4.5	1.5	1.5	3.0	3.0	3.5	
21	2.5	2.0	3.5	2.0	2.5	2.5	2.5	2.0	2.5	3.0	3.0	3.0	3.0	3.5	3.0	3.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	3.0	2.5	3.5	
22	1.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	2.0	2.0	3.0	3.5	3.0	2.5	5.5	6.5	6.5	7.0	5.5	4.0	3.0	2.0	2.0	2.5	3.0	7.0	
23	2.5	2.5	1.5	1.5	2.5	3.0	2.0	2.0	2.5	2.5	3.5	4.0	4.5	4.5	3.0	3.0	2.0	2.0	2.5	4.5	5.5	3.0	2.0	2.0	3.0	3.5	
24	2.5	1.5	1.5	1.5	1.0	1.0	2.5	5.5	4.0	3.0	3.0	4.0	3.0	3.0	2.0	2.5	2.5	3.5	3.5	4.0	3.0	2.5	(IF)	(IF)	3.0	5.5	
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	()	()
26	4.0	2.5	3.0	2.5	2.0	3.0	2.0	2.0	2.5	2.0	2.5	4.0	4.0	4.5	2.5	2.5	1.5	2.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	3.0	3.5
27	3.0	2.5	2.5	2.0	3.0	2.5	2.0	2.5	1.5	2.5	2.5	3.5	3.0	2.5	2.5	2.5	1.5	2.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	2.5	4.5
28	2.0	1.5	2.5	2.5	2.0	2.5	2.5	3.0	3.5	2.5	3.0	3.0	4.5	3.5	2.5	3.0	2.5	2.0	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.5	3.5
29	1.5	2.5	2.5	1.5	2.0	2.5	2.5	2.0	2.0	3.0	2.5	4.0	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.5	4.0
30	1.5	2.5	3.0	2.5	2.0	3.0	2.5	2.5	3.0	2.5	2.5	3.0	3.0	2.5	7.5	5.5	5.0	3.5	2.5	7.5	12.0	12.0	10.5	3.0	4.5	12.0	
AV	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.5	3.5	3.5	4.0	3.5	3.0	2.5	3.5	3.5	3.5
SD	1.0	.5	1.0	2.5	2.5	2.0	2.0	2.0	1.5	2.5	3.0	2.5	2.5	2.5	3.0	3.0	2.5	2.0	1.5	2.0	2.5	3.0	2.0	.5	1.5	1.5	1.5

WIND SPEED (CIC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 13

DEC. 1980

AFROVIRONMENT INC.

.....
* F I N A L D A T A *
* A S O F 1 3 / A P R / 8 1 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	2.5	2.5	1.5	2.5	2.5	5.5	7.5	4.0	5.0	6.0	12.0	12.0	8.5	8.0	6.0	3.5	5.0	5.0	4.0	7.0	3.0	4.0	2.5	2.0	5.0	12.0	
2	2.0	2.0	3.0	2.0	3.0	2.5	2.5	2.5	2.5	3.0	3.5	3.0	2.0	3.0	3.0	3.0	2.5	2.5	2.5	3.0	2.0	2.0	2.5	2.5	2.5	3.5	
3	2.5	2.5	2.5	2.0	2.5	2.5	2.5	4.5	3.5	3.0	3.5	2.5	2.5	2.5	6.0	5.5	9.0	8.0	5.0	7.0	5.5	2.5	2.0	2.5	4.0	9.7	
4	2.5	2.5	2.5	3.0	2.5	2.5	4.0	7.5	9.5	13.5	15.5	20.0	17.5	18.5	14.0	11.5	10.5	14.0	4.0	2.5	5.5	6.5	10.0	6.5	4.5	20.0	
5	4.5	10.5	10.0	5.0	5.0	9.0	3.5	3.0	2.5	2.0	5.0	5.5	3.5	3.0	5.5	4.5	6.5	3.5	2.5	2.5	2.5	2.5	5.0	3.0	4.5	10.5	
6	3.5	3.0	3.0	2.5	2.0	3.0	2.5	3.0	2.5	3.5	2.5	3.0	3.0	3.5	3.0	3.0	4.5	7.5	4.0	3.0	2.5	2.5	2.5	2.0	3.0	7.5	
7	1.5	1.5	3.0	2.5	3.0	4.0	4.0	1.5	2.5	3.0	3.0	3.5	7.0	7.5	6.5	5.5	2.5	1.5	2.5	4.5	4.0	3.5	3.5	3.5	3.0	5.0	
8	4.0	2.5	2.5	3.5	2.5	3.0	2.0	2.5	2.5	4.0	4.5	5.5	4.0	4.0	6.5	3.0	2.5	2.5	2.5	4.5	4.0	4.5	3.0	3.0	4.0	9.5	
9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.0	9.5
10	2.0	1.5	2.5	2.0	2.0	2.0	2.5	3.0	2.5	2.5	3.0	3.0	3.0	4.0	3.5	3.0	3.0	2.0	1.5	2.0	2.5	3.0	2.0	2.5	2.5	4.0	
11	2.0	1.5	2.0	1.5	1.5	1.5	1.5	1.5	2.0	1.5	2.5	3.0	3.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5	2.5	4.5	
12	1.0	1.5	2.0	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5	2.5	4.5	
13	2.0	2.5	2.5	3.0	2.0	2.5	3.0	3.0	1.5	2.0	3.0	3.0	3.0	3.0	2.5	2.5	2.5	3.0	1.5	2.0	1.5	1.5	1.5	1.5	1.5	2.0	3.0
14	1.5	2.5	2.5	3.0	2.0	2.5	3.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	6.0	4.5	3.0	3.0	3.0	2.5	3.0	2.5	3.0	3.0	6.0	
15	3.0	3.0	3.0	2.5	2.5	2.5	3.0	2.5	1.5	3.5	3.0	3.5	4.5	2.5	2.5	4.0	3.0	3.0	3.0	2.5	2.5	2.5	2.0	2.0	3.0	4.5	
16	2.5	2.0	1.5	2.0	3.0	3.0	1.5	2.5	3.0	2.5	2.5	2.5	3.0	4.0	4.5	3.5	3.0	2.0	2.0	2.0	2.0	3.0	2.5	2.0	3.0	4.5	
17	2.0	2.0	1.5	1.5	1.5	2.0	2.5	1.5	1.5	1.5	3.0	2.5	3.0	3.0	3.0	4.0	3.0	3.0	2.5	2.0	2.0	3.0	2.5	3.0	2.5	4.0	
18	6.0	3.0	1.5	1.5	2.5	2.5	1.5	1.5	1.5	1.5	2.0	1.5	3.5	4.0	4.0	4.5	2.5	2.0	2.5	2.5	2.5	2.5	2.0	2.5	2.5	6.0	
19	2.0	1.5	1.5	3.0	2.0	2.5	2.0	1.5	1.5	2.5	2.5	3.0	3.5	4.0	4.0	4.5	2.5	2.0	2.5	2.5	2.5	2.5	2.0	2.5	2.5	6.0	
20	2.0	1.5	2.0	2.0	2.5	1.5	2.0	1.5	2.0	2.0	3.0	3.0	3.0	3.0	3.5	4.5	4.0	1.5	1.5	1.5	1.5	1.5	1.0	1.0	2.0	3.0	
21	1.5	2.0	2.5	2.0	2.5	3.0	2.5	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	2.5	2.5	2.0	2.0	2.5	2.0	2.5	2.0	4.5	
22	3.0	2.5	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	4.5	3.5	3.0	2.5	2.5	3.0	1.5	2.5	2.5	2.0	2.0	2.5	2.0	3.0	2.5	3.0	
23	3.0	2.5	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	4.5	3.5	3.0	2.5	2.5	3.0	4.5	3.0	2.5	2.5	2.5	2.5	2.0	3.0	2.5	3.0	
24	2.5	5.5	3.5	4.0	2.0	2.5	3.0	2.5	2.5	3.5	5.0	5.0	3.5	3.5	5.0	3.0	4.5	2.5	3.0	4.5	3.0	2.5	2.5	6.0	5.0	6.5	
25	2.5	1.5	2.5	4.5	2.5	3.0	3.0	2.5	2.5	2.5	3.0	4.0	4.5	3.5	4.5	3.0	3.0	2.5	1.5	3.0	1.5	1.5	3.0	1.5	2.5	5.5	
26	2.0	1.5	2.5	2.5	2.5	3.0	2.5	1.5	2.5	3.0	3.0	3.0	3.0	3.5	4.5	3.0	2.5	2.5	2.5	2.5	4.0	3.0	3.0	3.0	3.0	3.5	
27	2.0	1.5	2.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5	2.5	4.5	3.0	3.0	2.0	2.5	2.5	2.5	3.0	2.0	2.5	1.0	2.5	4.5	
28	2.0	2.5	2.5	2.0	2.0	1.5	2.5	2.0	2.5	2.5	3.0	3.0	4.0	4.5	3.0	4.0	2.5	1.0	2.5	2.5	2.5	3.0	2.5	3.0	2.5	4.5	
29	1.5	1.5	2.5	1.5	2.5	1.5	2.5	1.5	2.0	2.0	3.0	2.5	3.0	2.5	3.0	3.0	1.5	1.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	
30	2.5	3.0	2.0	1.5	2.5	2.0	2.5	1.5	2.0	2.5	3.0	3.0	3.0	3.5	5.5	3.5	3.0	2.0	2.0	4.0	2.5	3.0	2.0	2.0	2.5	6.5	
31	2.0	2.0	2.0	2.0	1.5	1.5	2.0	2.0	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	
AV	2.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	3.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.0	2.5	3.0	3.0	3.0	2.5	3.0	3.0	3.0	
SD	1.0	1.5	1.5	1.0	1.0	1.5	1.0	1.5	1.5	2.0	3.0	3.5	3.0	3.0	2.0	1.5	2.0	2.5	1.0	1.5	1.0	1.5	1.5	1.0	1.5	1.5	

WIND DIRECTION (CCI02)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

JAN, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
10	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	ESE	SSE	SE	SW	SW	SW	SW	SE	SSW	NNW	N	NW	SW	NN	NNW	N	NNW	E	W	NNW	W	WSW	SSE	ESE	W
12	S	SSW	WSW	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
13	ESE	NW	ENE	WSW	SSE	S	SSW	W	W	W	W	W	W	WSW	WNW	WNW	WNW	W	W	SW	S	SSW	S	W	
14	S	S	SSE	S	S	S	SW	W	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
15	W	NW	W	WNW	WNW	WNW	WNW	W	WSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
16	SE	SSW	SSE	SW	SSE	S	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
17	W	SE	SSW	SSE	SE	NE	ESE	S	ESE	SSE	E	ENE	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
18	NE	NW	NNE	ESE	ENE	N	W	SW	S	W	WNW	W	WNW	NW	NNW	W	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	E	E	E	E	E	ENE	ENE	E	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	NNW	W	SE	ESE	SE	SE	SSW	W	E	E	E	SE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
21	W	SSW	WSW	WSW	WNW	W	NW	NNE	ENE	N	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
22	NW	NNW	NW	NNW	W	W	NW	ENE	E	E	E	E	ENE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
23	SSE	SE	S	SSE	SE	ESE	E	SSW	E	ESE	NNE	WSW	SW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
24	NW	NNW	E	SSW	WSW	S	NNW	E	SE	W	NNW	SE	ENE	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
25	W	W	WNW	W	N	NNE	NNW	NW	N	NW	ENE	NW	W	NNW	PSW	W	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW
26	NE	NE	NE	NE	WSW	SW	W	NNE	NE	E	ENE	NE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
27	ENE	NNE	NNE	NE	NNE	W	W	W	W	W	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	NW	NE	NE	N	NE	NNE	NNE	NW	N	NW	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
29	NNE	NNE	NNE	NE	ESE	EHE	NE	NE	NNE	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
30	SW	E	ESE	SSE	SW	SSW	SE	S	SSE	E	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
31	E	E	SSE	E	SSW	E	W	ESE	ESE	E	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
PV	W	(VA)	SSE	SSE	SW	(VA)	(VA)	W	E	NW	NNW	(VA)	NNW	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION (CLOCK)
 DFGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, W139
 BONANZA, UTAH
 SITE 13
 FEB. 1960
 AEROSOLMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/A1
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRV
1	55	145	195	70	280	160	115	130	155	45	230	250	290	280	285	275	295	300	280	150	125	140	135	210	7
2	60	140	135	190	110	60	100	100	95	60	290	40	295	285	290	285	285	285	265	255	195	100	120	250	5
3	85	115	90	95	350	75	105	320	110	75	325	135	235	285	300	285	295	285	280	195	190	180	320	155	14
4	250	110	65	105	115	145	95	245	245	10	285	335	295	280	290	300	290	270	280	100	140	150	180	105	(VA)
5	85	90	100	125	90	85	350	80	20	290	325	25	265	305	305	305	270	260	195	120	125	100	270	5	
6	205	315	305	110	90	60	100	70	20	325	290	295	265	295	300	285	285	275	290	290	95	115	265	10	
7	140	150	225	280	265	300	305	275	310	315	290	280	285	300	300	50	45	50	0	30	130	90	80	100	14
8	0	120	120	105	100	120	120	205	270	270	280	280	280	295	285	260	120	125	130	175	215	220	95	140	6
9	145	195	210	255	175	170	135	350	280	285	285	285	275	280	270	195	145	135	150	140	135	145	185	95	(VA)
10	130	90	130	100	50	25	285	285	280	285	285	285	280	285	170	150	130	120	105	125	120	130	110	130	7
11	140	90	85	50	5	265	260	270	285	280	280	275	235	185	160	115	115	140	105	120	110	110	95	60	6
12	135	80	120	290	320	290	290	280	285	290	275	235	130	125	145	70	140	115	125	165	110	175	195	130	7
13	295	265	265	260	295	330	270	290	285	285	250	225	185	170	150	190	305	265	240	290	345	30	340	0	11
14	265	300	305	300	300	295	295	285	295	285	260	145	195	100	115	135	140	105	195	130	105	325	0	65	10
15	125	135	285	295	285	285	290	280	270	275	285	320	180	235	180	145	180	225	185	115	90	145	40	250	10
16	275	295	70	305	320	280	165	235	270	285	290	315	305	310	310	305	310	310	310	315	110	300	305	310	10
17	310	305	295	295	310	305	60	15	345	235	345	55	145	20	0	25	65	255	175	185	155	265	285	105	15
18	50	20	165	230	290	295	280	260	165	140	145	170	250	210	185	145	165	150	315	235	170	155	150	115	4
19	135	100	290	275	190	255	205	180	175	170	175	190	105	95	125	60	100	305	105	125	155	160	195	120	9
20	265	230	175	200	175	145	185	195	200	250	285	245	150	135	125	205	190	165	180	60	165	105	125	165	9
21	105	105	80	335	180	205	165	165	180	190	280	270	280	290	300	295	240	210	195	110	240	115	245	255	14
22	140	130	145	205	260	285	295	285	275	295	295	290	150	130	105	100	100	200	190	120	115	310	220	170	14
23	145	115	155	240	35	330	260	280	300	315	265	320	350	60	40	75	100	125	140	115	135	85	135	115	7
24	115	220	125	105	20	300	295	300	300	290	275	260	270	285	140	120	120	150	130	120	110	120	110	170	6
25	160	120	115	145	255	325	290	275	280	275	290	275	240	270	240	155	135	145	120	120	110	120	105	185	14
26	165	165	150	155	285	295	290	285	285	265	280	280	275	270	260	165	130	125	125	100	90	105	155	300	14
27	225	90	200	125	35	275	270	280	275	265	265	260	270	270	280	145	110	130	130	125	120	115	165	340	14
28	245	210	135	175	105	70	285	270	280	265	270	315	350	260	225	155	260	260	170	145	170	285	280	125	14
29	125	100	80	140	220	220	195	260	305	260	355	0	310	350	350	0	40	75	80	70	75	90	75	110	5

ABOUT (21 JAN 61)

WIND DIRECTION [CC102]

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

FEB. 1980

AEROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	NE	SE	SSW	ENE	W	SSE	ESE	SE	SSE	NE	SW	WSW	WNW	W	WNW	W	WNW	WNW	W	SSE	SE	SE	SE	SSW	SE
2	ENE	SE	SE	E	ESE	ENE	E	E	E	ENE	WNW	NE	WNW	W	W	WSW	WNW	WNW	W	WSW	SSW	E	ESE	WSW	E
3	E	ESE	E	ESE	E	ENE	ESE	NE	ESE	ENE	NW	SE	SW	WNW	W	WNW	WNW	WNW	W	SSW	S	S	NW	SSE	WNW
4	WSW	ESE	ENE	ESE	E	ENE	E	WSW	WSW	N	WNW	NNW	WNW	W	WNW	WNW	WNW	W	E	SSW	SSE	SSE	ESE	(VA)	E
5	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW	E	E	W	E
6	SSW	NW	NW	ESE	E	ENE	E	ENE	NNE	NW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	W	WNW	WNW	E	ESE	W	WNW
7	SE	SSE	SW	W	W	WNW	NW	W	NW	NW	WNW	WNW	WNW	W	WNW	NE	NE	NE	N	NNE	SE	E	E	W	WNW
8	N	ESE	ESE	E	ESE	ESE	ESE	SSW	W	W	W	W	W	W	W	W	ESE	SE	SE	SSW	SSW	E	E	W	WNW
9	SE	E	SE	E	NE	NNE	WNW	W	W	WNW	WNW	WNW	W	W	W	WSW	SE	SE	SE	SSW	SSW	S	S	E	(VA)
10	SE	E	SE	E	NE	NNE	WNW	W	W	WNW	WNW	WNW	W	W	W	WSW	SE	SE	SE	SSW	SSW	S	S	E	(VA)
11	SE	E	E	E	NE	NNE	WNW	W	W	WNW	WNW	WNW	W	W	W	WSW	SE	SE	SE	SSW	SSW	S	S	E	(VA)
12	SE	E	E	E	NE	NNE	WNW	W	W	WNW	WNW	WNW	W	W	W	WSW	SE	SE	SE	SSW	SSW	S	S	E	(VA)
13	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WSW	SW	S	SE	SE	ENE	SE	ENE	SE	SSW	WNW	NNE	NNW	N	W
14	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
15	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
16	W	WNW	ENE	NW	NW	NW	ENE	SW	W	W	WNW	WNW	WNW	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
17	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
18	NE	NNE	SSE	SW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
19	SE	E	WNW	W	W	WSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	WNW	WNW	NNE	NNW	N	W
20	W	SW	W	SSW	S	SE	SSW	SSW	SSW	SSW	WNW	WSW	SSE	E	SE	ENE	E	WN	W	SSW	SSW	SSW	SSW	SSW	SSW
21	ESE	ESE	E	ENE	W	WNW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
22	SE	SE	SE	SE	SSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
23	SE	ESE	SSE	SSW	NE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
24	ESE	SW	SE	ESE	ENE	NNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
25	SE	SE	ESE	ESE	SE	SSW	NNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
26	SE	SE	SSE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
27	SW	E	SSW	SE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
28	WSW	SSW	SE	E	ESE	ENE	WNW	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
29	SE	E	E	E	SW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
PV	SE	ESE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONARZA, UTAH
 SITE 13
 MAR, 1960
 AEROSURVIVANCE INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	WIND
1	100	80	100	70	70	70	30	290	275	295	295	335	305	280	310	325	25	120	120	135	115	130	235	235	14
2	145	270	105	110	220	120	75	310	290	290	350	330	280	255	275	280	275	160	165	140	135	140	175	140	7
3	290	135	120	265	70	110	150	50	50	75	180	185	160	170	180	205	235	155	75	200	200	210	195	195	9
4	220	195	145	190	100	120	115	85	20	290	300	290	290	295	290	285	275	275	265	235	220	220	140	140	14
5	135	150	165	185	245	135	125	70	65	195	200	180	185	180	140	175	175	180	175	175	170	170	155	155	7
6	170	160	210	220	220	140	130	130	100	50	20	250	240	255	260	160	150	40	75	60	85	125	120	70	7
7	140	160	140	350	40	125	205	45	95	110	165	235	255	235	280	260	250	200	175	15	20	10	165	55	7
8	215	220	265	225	170	115	125	110	45	285	290	265	270	270	275	265	230	235	235	215	210	195	195	185	11
9	205	45	190	145	110	125	135	105	290	310	290	280	260	260	270	230	220	255	235	195	190	180	185	185	(VA)
10	200	155	120	105	110	115	255	230	165	10	285	280	285	285	285	265	245	250	230	165	165	180	110	125	(VA)
11	85	115	105	130	300	190	105	140	285	345	265	325	325	335	320	275	160	170	140	140	145	170	175	185	7
12	105	130	260	250	250	260	270	255	260	250	260	260	270	260	260	250	265	275	280	300	355	35	125	120	14
13	135	175	255	115	115	170	125	135	50	25	10	295	255	270	295	280	270	270	250	195	185	45	100	175	13
14	45	115	125	120	210	130	260	230	10	30	340	285	270	280	295	190	165	170	200	180	160	155	105	70	9
15	55	170	170	175	135	150	100	145	295	275	40	220	265	270	260	210	200	205	205	255	145	180	235	265	10
16	260	275	270	260	300	325	290	15	75	335	305	290	300	320	335	345	325	295	335	350	25	110	85	120	19
17	210	155	115	120	130	125	230	275	25	15	280	290	175	165	200	230	270	170	160	155	150	165	180	180	8
18	145	125	145	115	135	95	150	320	290	290	290	295	290	240	280	300	300	285	125	105	115	130	125	95	(VA)
19	105	100	75	160	200	155	280	265	255	265	260	270	275	270	275	260	280	280	305	15	5	95	105	105	14
20	105	130	145	100	190	155	255	330	10	305	310	290	285	290	280	195	155	160	150	115	130	180	100	100	6
21	110	100	95	130	90	75	295	175	185	165	170	165	170	185	220	280	295	285	45	100	120	120	115	115	6
22	110	55	85	215	120	90	235	280	260	280	50	40	50	50	55	55	50	55	60	25	85	40	70	110	3
23	75	160	175	200	145	55	110	275	90	30	45	240	245	285	325	240	305	10	90	155	240	255	220	110	12
24	105	95	75	35	85	75	110	35	25	90	130	160	180	180	175	170	135	145	130	235	325	55	75	75	7
25	80	75	70	75	75	80	80	80	135	195	170	25	280	275	225	225	245	330	30	105	240	250	200	150	5
26	125	220	210	190	155	105	105	135	340	270	185	290	265	170	240	240	120	125	125	120	125	140	175	155	7
27	140	160	125	155	130	115	125	240	300	315	300	305	265	250	240	240	270	275	235	255	220	225	220	260	12
28	235	220	275	280	255	160	115	315	260	230	15	345	345	345	20	5	350	5	15	35	20	40	60	105	2
29	120	100	30	145	110	105	120	90	45	250	240	320	310	310	275	215	15	100	105	115	110	110	150	165	6
30	115	140	145	190	145	85	210	55	290	50	60	90	160	205	260	265	260	270	95	110	125	295	150	165	7
31	125	125	115	120	115	110	140	175	265	330	265	185	240	305	225	220	100	275	70	120	60	130	130	135	6
PV	6	8	6	6	6	6	6	(VA)	13	14	14	14	13	13	14	13	13	13	7	(VA)	7	7	9	6	7

ABOOUT (21 JAN 61)

WIND DIRECTION (CC102)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

MAR, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	NNE	NNW	W	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
2	SE	W	ESE	ESE	SW	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
3	NNW	SE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
4	SW	SW	SE	E	E	ESE	ESE	ENE	ENE	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
5	SE	SE	SE	SE	SW	SE	SE	ENE	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
6	SE	SE	SE	SE	SW	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
7	SE	SE	SE	SE	SW	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
8	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
9	SSW	NE	SE	SE	SE	SE	SE	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
10	SSW	SE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
11	E	ESE	ESE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
12	ESE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
13	SE	SE	SE	SE	SW	SE	SE	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
14	NE	NE	ESE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
15	NE	SE	SE	SE	SE	SE	E	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
16	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
17	SSW	SE	ESE	ESE	SE	SE	SE	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
18	SE	SE	SE	SE	SE	SE	E	ENE	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
19	ESE	E	ENE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
20	ESE	E	SE	E	E	E	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
21	ESE	NE	E	SE	E	E	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
22	ESE	NE	E	SE	E	E	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
23	ESE	NE	E	SE	E	E	ENE	NNW	NNW	NNW	NNW	NNW	NW	W	NW	NNE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
24	ESE	E	ENE	NE	E	ENE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
25	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
26	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
27	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
28	SW	SW	SW	SW	SW	SW	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
29	ESE	E	NNE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
30	ESE	SE	SE	SE	SE	SE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
31	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW
PV	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SW	SW	NNW

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, M139
 BONANZA, UTAH
 SITE 13
 APR, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	125	130	130	115	0	145	45	30	15	25	15	30	325	155	45	225	355	340	15	50	50	55	35	35	2
2	75	50	350	285	305	295	250	270	230	265	300	275	295	290	270	320	355	345	50	120	120	120	120	120	14
3	120	115	175	135	125	110	205	295	40	100	300	355	230	140	120	150	190	270	75	115	120	145	95	50	4
4	195	115	140	125	90	30	285	290	295	280	295	270	240	275	200	175	160	150	140	135	155	165	170	160	4
5	130	185	175	150	90	300	105	35	80	290	255	215	210	215	215	230	220	250	300	170	170	150	155	285	11
6	250	235	235	200	175	200	225	255	285	260	270	265	265	270	270	270	270	275	280	205	125	140	215	175	13
7	260	275	20	220	265	265	270	260	275	265	270	265	290	285	280	270	270	270	270	275	285	335	125	115	13
8	150	195	230	170	265	0	45	335	315	340	270	305	285	290	310	320	320	15	65	135	130	120	110	140	15
9	190	225	145	140	75	240	65	315	275	330	295	280	280	205	225	235	230	215	170	175	200	170	210	230	11
10	170	300	175	250	225	245	270	285	285	290	285	295	285	290	290	290	290	275	270	315	70	50	45	40	13
11	65	90	110	120	85	75	350	115	310	70	60	30	0	25	40	40	40	30	15	15	45	50	30	180	3
12	60	105	125	135	100	110	0	325	45	70	60	85	5	15	20	35	25	35	35	35	50	45	40	65	3
13	80	120	90	120	120	115	295	315	290	265	275	285	295	285	290	280	95	90	105	120	125	135	180	210	4
14	200	160	160	235	240	240	290	0	345	290	295	310	295	275	290	295	305	65	105	125	150	145	130	120	14
15	115	150	195	175	175	195	290	335	290	295	290	285	285	265	230	270	290	275	265	260	250	225	210	100	11
16	135	170	165	225	205	175	280	290	325	20	325	255	320	275	285	20	340	45	85	110	120	115	130	155	14
17	160	105	165	200	135	190	275	20	345	300	295	270	295	330	315	295	345	5	95	115	135	135	115	200	14
18	165	110	150	200	205	265	280	10	325	305	300	290	290	315	240	235	215	205	190	180	145	160	130	140	14
19	180	145	215	200	80	230	290	25	330	300	285	280	300	285	290	195	255	240	200	145	135	160	130	215	14
20	90	135	210	140	120	100	295	285	300	15	0	285	250	210	230	210	230	205	155	120	125	135	140	180	7
21	125	145	135	130	135	130	140	150	170	145	140	130	270	265	120	35	40	195	225	205	60	100	40	125	7
22	130	135	125	135	135	115	170	305	330	280	285	290	265	20	30	30	45	60	75	120	60	90	70	95	14
23	95	120	110	145	175	55	285	280	290	295	280	275	190	230	275	275	270	285	320	40	100	145	190	135	14
24	115	135	20	125	150	115	155	235	290	280	280	20	25	350	320	275	350	330	320	0	15	35	40	50	2
25	80	75	90	85	100	90	135	155	285	20	25	5	35	50	345	10	0	20	15	20	30	35	45	100	2
26	50	90	100	60	110	100	100	105	300	280	50	35	20	45	25	335	55	65	80	75	55	110	115	115	3
27	90	155	110	110	165	180	85	140	320	280	285	310	335	280	280	280	290	245	285	290	330	140	140	85	14
28	120	140	85	85	200	210	260	130	50	355	15	140	265	265	315	235	145	170	220	250	125	105	120	160	6
29	160	155	100	115	135	110	70	165	45	275	290	280	285	230	135	135	140	175	185	190	235	240	10	65	7
30	75	130	145	285	315	40	10	75	65	130	195	15	70	5	310	280	235	175	125	105	135	140	130	125	7
PV	(VAL)	7	7	6	(VAL)	6	13	14	15	14	13	14	14	14	14	13	11	13	13	6	7	7	6	6	14

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #119
BONANZA, UTAH
SITE 13

LEVEL HEIGHT : 10 METERS

APR, 1960

AEROVIRONMENT INC.

FINAL DATA
AS OF 5/1/MAH/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	SE	ESE	N	SE	NE	NNE	NNE	W	NNE	NW	SSE	NE	NE	SW	N	NW	NNE	NE	NE	NE	NE	NE	NNE
2	ENE	NE	N	NW	NW	NW	WSW	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
3	ESE	ESE	S	SE	SE	ESE	SSW	W	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
4	SSW	ESE	SE	SE	E	NNE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
5	SE	SE	S	SSE	E	W	ESE	NE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
6	WSW	SW	SW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SSE	SSW	SW	S	W	N	NE	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
9	S	SW	SE	S	ENE	WSW	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	S	W	S	WSW	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	ENE	E	ESE	ESE	E	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N	ENE	N
12	ENE	ESE	SE	SE	E	ESE	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
13	E	ESE	E	ESE	E	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	SSW	SSE	SSE	SSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	ESE	SE	SSW	S	S	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SE	S	SSE	SSW	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	SSE	ESE	SSE	SSW	SE	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SSE	ESE	SSE	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	S	SE	SW	SSW	E	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	E	SE	SSW	SE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	E	ESE	ESE	SE	S	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	ESE	SE	NNE	SE	SSE	ESE	SSE	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	E	ENE	E	E	E	E	SE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	NE	E	E	ENE	ESE	E	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	E	SSE	ESE	ESE	SSE	S	E	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	ESE	SE	E	E	SSW	SSW	W	SE	NE	N	NNE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SSE	SSE	E	ESE	SE	ESE	ENE	SSE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ENE	SE	SE	W	W	NE	N	ENE	ENE	SE	SSW	NNE	ENE	N	W	W	W	W	W	W	W	W	W	W	W
PV	(VA)	SE	SE	ESE	(VA)	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION ICC:021

DEGREES

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #1X9

HONANZA, UTAH

SITE 13

MAY, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRV
1	130	135	120	130	125	105	50	35	25	50	60	40	50	85	25	210	250	285	195	5	340	130	150	150	7
2	140	15	125	65	80	95	90	335	340	305	305	290	145	130	130	125	170	205	175	145	40	110	130	160	7
3	200	340	285	215	115	120	130	190	250	355	270	300	240	300	285	270	305	50	115	155	125	125	115	75	6
4	70	165	160	160	115	140	140	250	335	325	275	285	300	310	280	10	10	320	80	90	130	165	110	9	
5	125	125	10	160	115	115	115	110	45	355	350	30	260	260	300	30	25	90	175	140	125	120	130	6	
6	140	105	110	130	125	170	255	255	80	45	30	325	350	335	225	150	125	130	115	130	115	135	155	145	7
7	100	110	120	145	80	110	95	90	25	335	315	230	170	140	125	110	95	70	220	250	50	60	120	6	
8	115	310	95	145	150	80	80	90	185	190	190	245	175	45	145	275	255	205	180	175	170	175	130	9	
9	80	125	160	125	155	180	145	30	35	195	205	185	180	180	170	195	250	335	45	20	30	55	280	9	
10	115	110	125	115	230	250	30	35	330	255	180	280	205	170	170	185	185	190	235	280	275	255	100	120	9
11	15	75	230	245	205	270	275	185	200	40	280	270	175	165	105	135	180	180	295	70	105	140	215	175	9
12	90	150	160	180	195	265	170	140	175	210	195	165	180	195	205	215	250	310	40	75	140	110	75	95	9
13	120	115	115	125	115	135	285	125	285	320	320	310	245	245	285	240	135	125	130	115	110	115	135	125	7
14	110	130	135	160	155	170	190	295	345	275	315	25	295	5	95	55	40	65	90	135	150	165	215	200	9
15	120	140	120	130	150	140	165	305	305	305	265	280	330	295	245	245	295	235	225	135	135	220	210	95	7
16	95	150	125	130	190	110	115	45	345	165	305	295	5	195	140	65	325	285	290	280	270	175	130	210	7
17	165	125	155	210	235	255	250	275	290	290	305	295	40	20	40	245	310	25	55	60	80	85	130	115	14
18	125	130	130	135	150	135	240	300	315	295	295	295	305	320	15	40	340	320	260	315	330	95	120	125	15
19	150	215	170	135	270	135	180	255	220	340	320	285	285	290	275	300	295	235	15	15	65	100	105	135	14
20	150	165	190	180	125	165	170	205	280	330	305	300	15	20	345	55	335	35	20	40	75	115	120	14	
21	135	115	125	190	135	140	215	235	40	290	300	305	290	20	10	280	10	345	15	25	15	95	105	105	14
22	115	125	110	105	145	105	335	60	5	275	290	305	315	0	135	185	155	135	130	175	210	170	120	95	6
23	140	160	190	180	185	145	160	165	165	170	170	150	150	155	160	160	170	145	165	150	180	105	115	145	8
24	165	160	155	150	155	150	150	165	155	155	170	175	170	160	210	240	220	205	190	115	150	155	0	0	9
25	0	0	0	0	0	0	0	0	190	200	245	220	200	200	215	205	250	285	25	50	90	110	100	120	0
26	105	115	110	145	195	160	35	295	20	310	305	335	165	205	165	250	175	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	12
PV	6	7	7	8	7	7	9	(VA)	16	15	15	14	9	15	7	13	12	15	2	7	6	6	6	6	7

AGOUT (21 JAN 81)

WIND DIRECTION [CC002]

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 10 METERS

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SE	ESE	SE	SE	ESE	NE	NE	ENE	NE	NE	E	E	E	ENE	WSW	WSW	WSW	WSW	N	NNW	SE	SSE	SSE	SE	
2	SE	NNE	SE	E	E	E	NE	NE	NW	NW	NW	NE	SE	SE	SE	WSW	WSW	WSW	WSW	SE	E	ESE	SE	SSE	SE	
3	SSW	NNW	WSW	SW	ESE	ESE	SE	SE	N	N	N	W	W	W	W	N	N	N	N	E	SE	SE	ESE	ESE	ESE	
4	ENE	SSE	SSE	ESE	ESE	ESE	SE	SE	NNW	NNW	W	W	W	W	W	N	N	N	N	E	SE	SSE	NE	ESE	SSE	
5	SE	SE	N	SSE	ESE	ESE	NE	NE	N	N	N	N	N	N	N	N	N	N	N	S	SE	SE	ESE	SE	ESE	
6	SE	ESE	ESE	SE	SE	SE	SE	SE	NE	NNE	N	N	N	N	N	N	N	N	N	SE	ESE	SE	SE	SE	SE	
7	E	ESE	ESE	E	E	E	E	E	E	NNE	NW	SW	S	S	S	E	E	E	E	WSW	N	ENE	E	ESE	ESE	
8	ESE	NW	E	SE	SSE	E	E	E	S	S	S	WSW	ENE	NE	SE	W	WSW	WSW	WSW	S	S	S	S	SE	S	
9	E	SE	SSE	SE	SSE	S	SE	NNE	NE	SSW	S	S	S	S	S	SSW	WSW	NNW	NE	NNE	NNE	N	S	S	S	
10	ESE	ESE	SE	ESE	SW	WSW	NNE	NE	NNW	WSW	S	W	SSW	S	S	S	S	S	W	W	W	W	E	ESE	S	
11	NNE	ENE	SW	WSW	SSW	W	W	S	SSW	NE	W	W	S	SSE	ESE	SE	S	S	W	W	W	W	S	S	S	
12	E	SSE	ESE	SE	SSW	W	S	SE	S	SSW	SSE	W	S	S	SSW	WSW	WSW	WSW	WSW	NE	ENE	ESE	ENE	E	S	
13	ESE	ESE	ESE	SE	ESE	SE	NNW	SE	NNW	NW	NW	NW	WSW	WSW	WSW	WSW	WSW	WSW	SE	SE	ESE	ESE	SE	SE	SE	
14	ESE	SE	SE	SSE	SSE	S	S	NNW	NNW	W	N	N	N	N	N	N	N	N	E	SE	SSE	SSE	SW	SSW	SSE	
15	ESE	SE	ESE	SE	SSE	SE	SSE	SE	NNW	NW	W	W	W	W	W	W	W	W	SE	SE	SE	SW	SSW	E	SE	
16	E	SSE	SE	SE	SE	SE	ESE	NE	NNW	SSE	N	N	N	N	N	N	N	N	W	W	W	W	S	S	SE	
17	SSE	SE	SSE	SW	WSW	WSW	W	W	NNW	NNW	NW	NW	NE	NE	NE	NE	NE	NE	NE	ENE	E	E	E	E	W	
18	SE	SE	SE	SE	SE	SE	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	NNW	E	E	E	W	
19	SSE	SW	S	SE	W	SE	S	WSW	SW	NNW	NW	W	W	W	W	W	W	W	W	NNW	ENE	E	ESE	SE	NNW	
20	SSE	SSE	SSE	SE	SE	SE	S	S	W	NNW	NW	W	W	W	W	W	W	W	NNE	NNE	ENE	E	ESE	SE	NNW	
21	SE	ESE	SE	SE	SE	SE	SW	SW	W	NNW	NNW	N	N	N	N	N	N	N	N	N	ENE	ENE	ESE	ESE	SSW	
22	ESE	SE	ESE	SE	SE	SE	NNW	ENE	N	W	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	E	ESE	E	(VA)	
23	SE	S	S	S	S	S	SE	SSE	SSE	S	S	S	S	S	S	S	S	S	SE	S	SSW	S	ESE	E	SSE	
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	SSE	SSE	ESE	ESE	N	S	
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	ENE	E	ESE	E	ESE	N	S
26	ESE	ESE	ESE	SE	SSW	SSE	NE	NNW	NNE	NW	NNW	SW	SSW	SSW	SSW	SSW	SSW	SSW	NNE	NE	E	ESE	E	N	S	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
PV	ESE	SE	SE	SSE	SE	SE	(VA)	NNW	NW	NW	NW	S	NW	SE	W	WSW	NW	NNE	SE	ESE	ESE	ESE	ESE	SE	SE	

WIND DIRECTION (CC102)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #119
HONANZA, UTAH
SITE 13
JUN, 1980
AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/AI

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	290	120	115	135	135	120	165	245	305	10	285	280	280	110	105	170	250	115	25	205	110	110	115	115	A
2	105	105	105	235	230	105	125	305	30	165	185	200	195	175	170	175	170	175	175	160	170	150	145	125	9
3	125	105	115	135	170	125	130	110	150	165	160	180	170	165	175	160	170	180	160	175	175	190	160	175	A
4	130	150	185	155	165	155	170	210	120	185	170	165	170	175	155	210	205	215	220	200	195	155	150	145	9
5	160	155	185	125	110	145	155	165	275	330	325	265	180	180	190	205	215	215	220	200	180	165	160	175	9
6	185	205	170	120	145	260	185	180	210	225	215	210	235	240	225	235	250	290	285	300	300	270	25	95	11
7	110	110	105	145	165	230	300	295	280	285	355	250	290	250	275	255	330	315	10	55	100	110	125	110	A
8	160	70	120	100	110	135	275	300	290	305	310	275	275	285	275	285	305	325	5	70	110	115	115	145	(VA)
9	150	125	105	105	240	245	280	345	260	275	300	335	355	260	310	275	335	30	10	60	105	115	110	120	13
10	150	110	125	130	135	185	310	30	0	315	340	310	170	175	160	175	195	190	195	185	170	160	145	325	9
11	330	110	105	130	100	110	335	25	335	190	155	180	175	190	200	215	230	215	200	170	150	155	165	160	9
12	170	185	190	165	180	50	5	215	200	205	190	215	165	195	195	200	170	180	175	165	170	190	115	125	10
13	135	120	175	240	185	245	325	330	290	285	175	165	180	175	190	190	195	190	205	190	175	175	175	25	9
14	35	50	115	205	265	355	340	310	280	230	230	220	205	215	215	230	220	235	270	285	275	265	255	240	11
15	250	55	85	90	105	105	110	100	290	225	275	295	260	275	285	290	285	285	305	295	270	260	145	130	14
16	145	135	110	90	135	60	300	295	290	285	315	290	315	265	255	320	310	355	90	110	120	120	135	14	
17	180	115	130	170	210	40	280	330	310	305	280	270	280	275	315	310	320	325	190	145	125	120	150	15	
18	270	200	150	120	150	260	300	315	300	270	285	285	305	195	230	220	235	265	250	240	255	225	125	130	13
19	135	95	135	100	130	100	110	70	300	255	275	295	290	160	170	205	255	245	295	115	120	105	125	160	7
20	125	130	145	150	135	135	290	330	0	10	285	310	295	140	185	165	160	170	155	165	160	160	190	170	A
21	200	205	80	115	170	85	295	10	355	310	300	245	175	235	225	270	260	265	200	180	175	165	170	130	9
22	145	130	100	165	100	170	0	305	35	300	315	325	305	240	170	215	220	225	210	160	160	125	135	155	A
23	170	170	145	95	100	125	130	145	175	180	170	175	190	190	205	195	205	190	190	175	150	210	140	140	9
24	115	170	135	220	185	105	245	290	290	280	255	140	180	205	195	195	220	230	220	200	175	165	180	175	9
25	170	110	160	145	130	95	35	15	300	330	200	165	175	200	200	195	210	195	200	210	175	190	140	140	9
26	165	155	235	135	150	120	40	355	200	190	195	215	210	230	205	225	230	215	195	170	170	180	195	215	14
27	270	270	260	265	245	265	285	285	315	305	320	300	300	290	295	295	300	305	295	290	285	150	110	155	14
28	175	140	135	140	170	150	300	300	310	285	290	340	300	300	325	335	0	5	55	110	135	155	130	140	7
29	125	125	170	110	125	225	50	20	315	300	290	305	285	300	295	265	280	275	220	170	130	125	165	140	14
30	160	140	135	175	155	240	190	120	235	280	300	310	340	330	340	340	300	325	355	295	0	25	205	220	14
PV	8	7	6	6	7	6	14	(VA)	14	14	14	14	9	9	10	10	10	11	10	9	9	8	7	7	9

WIND DIRECTION (CC102)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

JUN, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AB OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	WNW	ESE	ESE	SE	SE	ESE	S	WSW	NW	N	WNW	W	W	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
2	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
3	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
4	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
5	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
6	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
7	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
8	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
9	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
10	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
11	WNW	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
12	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
13	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
14	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
15	WSW	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
16	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
17	S	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
18	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
20	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
23	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	ESE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
25	S	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
26	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
29	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
30	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SE	ESE	ESE	SE	SE	ESE	SE	ENE	NW	NNE	SSE	S	S	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139
 BONANZA, UTAH
 SITE 13
 JUL. 1960
 AERODIVINMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	80	70	100	115	290	160	115	270	290	285	285	330	40	315	285	280	295	185	135	180	165	175	130	130	14
2	140	180	170	250	135	210	235	195	200	265	10	45	135	145	80	320	325	130	140	135	130	130	150	160	7
3	135	150	235	160	90	115	95	345	315	305	335	0	45	10	275	200	215	250	235	205	285	65	105	105	(VA)
4	125	105	70	65	85	95	105	345	280	230	300	305	300	305	310	330	255	245	175	145	140	135	135	135	(VA)
5	175	155	120	120	110	170	0	350	310	290	300	295	260	240	245	235	260	240	235	155	165	160	200	205	(VA)
6	205	105	110	125	115	215	305	300	20	320	260	295	305	275	235	230	200	195	190	155	165	125	130	220	11
7	125	155	140	160	140	190	250	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	A
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	135	135	150	190	170	200	110	60	325	305	310	305	295	305	290	245	250	290	295	315	320	285	135	125	15
18	105	115	115	145	155	100	110	300	295	260	5	270	305	320	310	280	275	260	240	225	175	165	140	45	13
19	155	215	225	140	125	115	160	320	25	305	300	300	315	285	230	265	255	300	300	310	305	300	275	290	14
20	145	160	140	165	160	110	35	40	315	290	300	5	240	305	305	305	310	305	0	20	45	115	110	110	15
21	130	125	195	120	200	160	150	295	310	300	285	280	280	265	325	295	295	300	315	290	155	150	120	130	14
22	100	135	155	245	135	145	155	310	40	15	335	305	320	305	295	300	315	325	265	235	205	200	160	160	15
23	150	150	150	190	140	110	135	105	5	25	345	225	290	285	175	210	215	230	225	215	130	185	135	175	9
24	140	125	155	175	205	190	135	225	340	30	5	280	290	305	305	315	325	295	345	75	90	90	100	120	15
25	140	155	140	155	140	195	140	85	285	310	290	285	300	305	310	250	270	245	120	150	130	135	150	150	7
26	120	105	95	120	165	120	165	130	295	5	300	320	325	300	265	300	300	35	50	110	145	145	120	110	4
27	145	135	140	135	110	150	195	10	15	355	115	300	45	260	265	60	225	315	10	20	40	145	135	150	7
28	140	155	160	215	145	180	150	295	320	320	295	315	300	340	280	295	320	300	325	350	160	145	130	150	14
29	215	110	130	120	155	180	160	275	35	310	325	270	305	240	195	30	55	265	250	230	285	250	140	14	
30	160	235	155	135	170	150	145	245	45	340	310	305	305	300	300	305	315	290	275	120	105	135	140	15	
31	145	130	140	135	145	150	235	330	330	25	10	0	20	55	30	320	275	300	305	300	290	275	140	165	(VA)
PV	7	7	7	7	7	9	7	14	15	14	15	14	14	14	14	14	14	14	14	14	14	14	14	14	7

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 10 METERS

JUL, 1960

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
2	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
3	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
4	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
6	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
7	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
18	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
19	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
23	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
26	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
28	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
29	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
30	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
31	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #159
 BONANZA, UTAH
 SITE 13
 AUG. 1960
 AEROVIRONMENT INC.

 * FICIAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	140	150	115	145	125	150	170	215	290	155	285	40	305	310	280	300	265	275	200	190	85	65	105	130	7
2	120	130	140	125	135	205	150	130	60	195	265	290	290	290	290	240	280	310	295	305	305	245	265	160	14
3	160	160	130	130	150	200	170	105	205	5	350	325	280	285	280	290	245	300	300	305	305	305	280	280	18
4	270	295	100	115	135	135	160	120	65	45	345	295	290	305	305	305	285	290	265	295	295	300	260	235	14
5	150	135	140	145	190	155	150	130	175	300	295	290	280	280	315	325	75	235	255	235	235	215	145	175	9
6	190	205	195	245	195	140	155	110	170	50	340	310	240	235	220	235	240	250	240	195	160	150	270	160	12
7	150	180	155	150	135	115	260	335	350	300	335	295	305	295	5	335	50	255	135	110	120	120	130	110	7
8	125	160	125	125	135	220	275	300	300	275	285	295	305	270	235	265	275	275	220	155	150	165	235	110	18
9	140	170	155	160	120	150	120	190	240	275	295	305	245	240	305	310	295	295	295	155	150	130	125	140	8
10	185	135	140	110	145	185	330	330	320	325	285	280	280	285	305	290	300	305	310	320	305	175	135	140	15
11	160	120	105	140	105	110	45	295	315	215	295	355	285	270	335	315	345	310	20	120	140	150	200	205	(VA)
12	240	255	205	175	125	170	290	40	75	40	75	295	295	300	295	330	285	55	130	130	165	150	150	130	7
13	150	145	140	240	160	175	70	20	320	310	290	305	335	300	175	315	40	90	130	295	180	165	200	150	8
14	150	145	275	165	150	225	145	320	325	305	315	300	80	130	170	175	220	225	255	260	220	115	100	290	15
15	280	155	130	140	135	140	135	100	115	320	305	115	140	185	245	315	305	285	165	140	150	160	145	205	14
16	140	155	170	175	240	190	235	310	20	310	305	275	290	275	300	300	355	30	45	90	75	45	95	90	15
17	125	125	115	175	145	130	125	340	65	350	330	320	320	200	150	195	235	255	255	235	190	145	145	165	7
18	130	160	190	290	130	115	95	45	20	230	235	205	205	210	215	205	220	205	205	160	170	175	195	185	10
19	165	195	185	190	190	190	195	200	215	235	235	230	260	300	295	275	295	295	265	245	245	245	275	275	14
20	140	140	140	135	130	130	160	340	330	290	305	265	295	300	305	315	30	335	45	95	120	120	115	125	7
21	160	140	130	230	130	190	145	320	350	330	305	285	310	255	300	305	10	35	65	120	125	130	160	165	7
22	125	165	145	135	190	145	115	290	310	25	15	285	235	240	200	200	220	220	215	205	145	190	90	215	11
23	175	205	215	180	170	245	60	120	200	240	280	260	170	150	165	240	135	175	140	150	150	145	145	160	8
24	240	160	180	180	195	200	205	50	15	245	285	300	300	260	205	185	205	205	250	20	160	125	165	165	(VA)
25	230	135	125	125	140	145	135	270	165	330	195	275	185	350	335	320	105	185	175	150	130	135	135	135	7
26	210	195	105	150	80	150	190	290	315	345	355	330	35	30	290	295	270	200	215	215	55	140	140	140	10
27	150	140	130	135	135	145	175	270	330	5	325	15	315	310	260	225	225	220	130	180	110	130	5	185	7
28	215	215	85	125	175	95	115	60	45	300	310	280	235	240	240	220	225	210	170	170	170	180	190	185	(VA)
29	190	200	200	200	220	135	190	195	200	205	205	220	215	185	190	190	195	175	165	170	160	165	165	345	10
30	250	225	190	190	135	90	55	45	40	300	310	310	310	295	235	260	270	255	295	295	300	130	170	140	9
31	125	130	130	105	135	245	130	180	10	300	305	5	355	300	315	300	315	320	300	55	65	75	105	145	(VA)
PV	6	8	7	7	7	7	7	14	15	14	15	14	14	14	14	14	14	14	12	9	8	8	7	8	7

WIND DIRECTION (CC102)

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

AUG. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SSE	ESE	SE	SE	SSE	S	SW	WNW	W	WNW	NE	NW	NW	N	WNW	W	SSW	NW	NW	E	ESE	SE	SE	W
2	ESE	SE	SE	SE	SE	SSW	SSE	SE	ENE	SSW	W	WNW	WNW	WNW	W	WNW	W	WNW	WNW	WNW	NW	NW	W	SSE	WNW
3	SSE	SE	SE	ESE	SE	SSW	S	ESE	ENE	N	NW	NW	W	WNW	W	WNW	WNW	WNW	WNW	WNW	NW	NW	W	W	WNW
4	W	WSW	E	ESE	SE	SE	SSE	ESE	ENE	NE	WNW	WNW	W	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW
5	SSE	SE	SE	S	SSE	SSE	SSE	SE	S	WNW	WNW	WNW	W	WNW	W	ENE	SW	WSW	WSW	WSW	SW	SW	S	S	S
6	S	WSW	SSW	WSW	SSW	SE	SSE	ESE	S	NE	WNW	WNW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	SSW	SSW	W	W	WSW
7	SSE	SE	SE	SE	SE	ESE	SE	ENE	N	WNW	N	WNW	N	WNW	N	NE	WSW	SE	ESE	ESE	ESE	ESE	W	W	WSW
8	SE	SSE	SE	SE	SE	ESE	W	WNW	WNW	W	WNW	WNW	W	SW	W	W	SW	SW	SW	SW	SSE	SSE	SE	SE	WNW
9	SE	SSE	SE	SSE	ESE	SSE	ESE	S	WSW	W	WNW	WNW	WNW	W	W	W	WNW	WNW	WNW	WNW	SSE	SSE	SE	SE	WNW
10	S	SE	SE	ESE	SE	S	NNW	NNW	NW	NW	W	W	W	WNW	NW	WNW	NW	NW	NW	NW	NW	S	SE	SE	NW
11	SSE	ESE	ESE	SE	ESE	ESE	NE	WNW	NW	W	WSW	N	WNW	NW	NNW	NW	NNE	ESE	SE	SSE	SSE	SSW	SSW	SSW	(VA)
12	WSW	WSW	SSW	S	SE	S	WNW	NE	ENE	SW	WNW	WNW	WNW	N	SE	WNW	NE	SE	ESE	SE	SSE	SSE	SE	SE	S
13	SSE	SE	SE	WSW	SSE	SW	SE	NW	NW	NW	WNW	WNW	WNW	S	NW	NE	E	SE	WNW	W	SW	ESE	E	W	SSE
14	SSE	SE	SE	W	SSE	SE	SE	E	ESE	NW	NW	WNW	E	SE	S	SW	SW	WNW	SE	SE	SSW	SSW	SE	SE	WNW
15	W	SSE	SE	S	WSW	S	SE	E	ESE	NW	NW	ESE	SE	S	WNW	NW	WNW	SSW	SE	SE	SSE	SE	SE	SE	WNW
16	SE	SSE	SE	S	WSW	S	SE	SE	ENE	NW	NW	W	WNW	WNW	W	WNW	N	NNE	NE	E	ENE	E	E	E	NW
17	SE	SSE	SE	ESE	S	SE	SE	ENE	ENE	N	NNW	WNW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SE	SE	SE	WNW
18	SE	S	S	WNW	SE	ESE	E	ENE	ENE	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSW	S	SSW
19	S	SSW	S	S	S	S	S	SSW	SW	SW	SW	SW	W	WNW	WNW	W	WNW	WNW	W	WSW	WNW	WNW	W	W	WNW
20	SE	SE	SE	SE	SE	SE	SE	SE	ENE	NNW	NNW	W	WNW	WNW	NW	NNE	NNW	NE	E	ESE	ESE	ESE	SE	SE	WNW
21	SSE	SE	SE	SW	SE	S	SE	NW	N	WNW	NW	WNW	WNW	WNW	N	NE	ENE	ENE	E	ESE	SE	SE	SSE	SE	WNW
22	SE	SSE	SE	SE	S	SE	ESE	WNW	NW	NNE	WNW	WNW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	E	SSW	WNW
23	S	SSW	SW	S	S	WSW	ENE	ESE	SSW	W	W	W	S	SSE	SSW	SE	S	SE	SSW	SSW	S	S	E	SSW	WNW
24	WSW	SSE	SE	S	S	SSW	SSW	NE	NNE	WSW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	(VA)
25	S	SE	SE	SE	SE	SE	SE	W	SSE	NNW	SSE	W	S	N	NNW	NN	ESE	S	S	SSE	SE	SE	SE	SE	WNW
26	SSW	SSW	ESE	SSE	E	SSE	S	WNW	NW	NNW	N	NNW	NE	NNE	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WNW
27	SSE	SE	SSE	SE	SE	SE	S	W	NNW	N	NW	NNE	NW	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WNW
28	SW	SSW	SSW	E	SE	E	ESE	ENE	NE	WNW	W	W	SW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	(VA)
29	S	SSW	SSW	SSW	SW	SE	E	ESE	ENE	NE	WNW	W	SW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	WNW
30	WSW	SW	S	S	SE	E	NE	NE	NE	WNW	NW	NW	SW	W	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	SE	SE	SE	ESE	SE	WSW	SE	S	N	WNW	NW	N	N	WNW	NW	WNW	NW	NW	NE	ENE	ENE	ESE	SE	SE	(VA)
PV	SSE	SSE	SE	SE	SE	SE	SE	WNW	NW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SSE	SE	SE	WNW

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 13

LEVEL HEIGHT 1 10 METERS

SEP, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	S	SE	SE	ESE	ESE	ESE	S	S	NNE	NNE	NNE	NW	NW	W	W	W	W	W	W	W	W	W	W	W
2	SE	S	SE	SE	ESE	ESE	ESE	S	S	NNE	NNE	NNE	NW	NW	W	W	W	W	W	W	W	W	W	W	W
3	ESE	S	SE	SE	ESE	ESE	ESE	S	S	NNE	NNE	NNE	NW	NW	W	W	W	W	W	W	W	W	W	W	W
4	SE	S	SE	SE	ESE	ESE	ESE	S	S	NNE	NNE	NNE	NW	NW	W	W	W	W	W	W	W	W	W	W	W
5	SE	S	SE	SE	ESE	ESE	ESE	S	S	NNE	NNE	NNE	NW	NW	W	W	W	W	W	W	W	W	W	W	W
6	SW	SE	SW	E	ESE	ESE	ESE	W	W	SW	SW	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W
7	SE	SW	SE	SE	ESE	ESE	ESE	W	W	SW	SW	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W
8	SE	S	SE	SE	ESE	ESE	ESE	W	W	SW	SW	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W
9	SE	S	SE	SE	ESE	ESE	ESE	W	W	SW	SW	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W
10	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13	SSE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
14	ESE	SE	SE	SE	ESE	ESE	ESE	W	W	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	E	S	SE	SE	ESE	ESE	ESE	W	W	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
17	SSE	SE	SE	SE	ESE	ESE	ESE	W	W	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	ESE	ESE	ESE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
19	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
21	SSE	ESE	ESE	ESE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	ESE	E	E	E	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	SSE	SE	SE	SE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	ESE	SSE	SSE	ESE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	ESE	SE	SE	SE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
29	SE	SE	SE	SE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	SSE	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SE	SE	SE	SE	ESE	ESE	ESE	W	W	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC#02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 OCT, 1980
 AFROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	65	125	155	205	170	220	195	245	25	305	300	305	305	290	280	245	30	105	105	80	130	125	200	80	(VA)
2	85	105	100	100	100	90	95	70	55	35	45	35	5	70	235	345	105	135	120	145	125	135	165	185	5
3	195	220	200	220	210	215	250	255	295	0	310	275	55	200	305	240	90	100	125	135	125	150	100	140	12
4	160	205	200	240	255	180	265	295	265	285	270	290	290	275	280	345	80	120	145	125	145	180	125	140	13
5	220	180	220	200	245	145	230	265	290	300	290	285	270	265	260	270	300	140	135	115	120	135	170	205	13
6	100	170	130	120	195	210	245	330	300	285	285	275	285	265	255	265	255	150	130	125	155	175	200	165	14
7	215	215	210	200	205	220	275	260	265	260	265	270	280	280	280	325	255	155	120	120	160	125	175	180	14
8	170	190	165	200	205	195	185	270	315	300	285	290	270	305	30	0	195	135	125	145	145	145	125	95	(VA)
9	185	235	240	190	195	155	230	255	240	285	280	270	280	265	300	310	270	125	130	75	105	135	110	130	13
10	170	140	150	105	135	120	175	25	40	25	40	25	0	300	315	300	285	160	115	140	150	100	150	155	A
11	185	165	170	220	215	120	220	275	310	275	300	275	270	255	260	290	25	175	180	150	355	265	45	65	14
12	115	110	135	105	115	125	150	5	285	290	240	275	270	280	140	115	135	135	200	170	240	120	130	125	7
13	140	270	270	95	120	80	95	45	355	280	280	285	305	260	95	120	125	160	170	255	310	210	175	155	13
14	135	125	125	270	155	135	130	250	5	355	50	10	305	100	50	30	135	140	155	280	65	220	145	120	7
15	125	155	140	110	150	170	170	85	145	130	160	150	175	155	170	160	125	165	80	85	80	25	290	245	A
16	290	0	270	260	250	285	40	45	55	50	40	25	35	330	330	300	195	265	230	260	260	255	270	270	13
17	280	90	125	170	175	190	215	205	220	290	280	280	270	285	280	255	230	270	270	260	240	225	185	185	13
18	140	135	160	140	145	145	150	150	275	280	305	280	285	120	280	35	345	155	130	130	165	165	140	120	7
19	125	135	150	165	150	195	210	280	300	305	275	275	290	300	305	315	275	155	145	120	120	190	195	200	13
20	190	145	203	225	195	215	200	275	280	295	285	270	300	280	275	265	225	145	125	140	185	160	230	185	13
21	165	175	185	115	210	275	140	215	15	30	330	290	285	305	275	265	185	130	135	160	160	175	175	160	A
22	190	175	175	85	85	120	110	25	330	275	280	290	285	295	300	295	290	305	335	320	340	150	125	120	14
23	155	130	125	95	90	95	110	90	80	60	70	70	335	290	270	255	285	130	115	160	145	135	165	240	(VA)
24	145	155	130	180	220	185	25	25	290	35	55	275	325	330	280	270	270	215	160	140	150	100	155	150	A
25	210	200	205	190	180	205	200	130	335	285	305	285	285	280	300	275	65	155	140	155	165	140	205	205	14
26	115	150	130	150	85	125	150	330	235	180	305	260	330	305	285	300	265	30	105	215	250	265	290	150	14
27	155	115	135	130	135	190	120	185	335	55	80	70	60	65	55	60	55	55	60	55	20	15	100	155	3
28	90	110	140	140	160	150	160	150	80	310	350	355	105	80	15	55	140	125	125	125	140	165	150	175	7
29	175	205	225	175	215	160	130	295	35	305	10	305	290	285	305	5	235	145	135	145	125	170	235	205	11
30	175	220	225	180	190	195	165	255	265	350	340	305	285	170	285	260	140	155	150	145	150	160	105	105	A
31	250	170	175	145	125	155	140	250	220	305	305	315	285	285	285	265	145	165	155	170	120	130	135	140	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 10 METERS

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	SE	SSE	SSW	S	SW	SSW	WSW	NNE	NW	WNW	NW	NW	WNW	W	WSW	NNE	ESE	ESE	E	SE	SE	SSW	E	(VA)
2	E	ESE	E	E	E	E	ENE	ENE	NE	NE	NE	NE	N	ENE	SW	WNW	ESE	SE	ESE	SE	SE	SE	SSE	S	E
3	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	N	NW	W	NE	W	WNW	WSW	E	E	SE	SE	SE	SE	E	SSW	W
4	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	WNW	W	W	W	WNW	WSW	E	ESE	SE	SE	SE	SE	SSE	W	W
5	SW	S	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
6	E	S	SE	ESE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
7	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
8	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
9	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
10	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
11	S	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
12	ESE	ESE	E	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	W
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	W
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	W
15	SE	SSE	SE	ESE	SSE	S	E	E	SE	SE	SSE	SSE	S	SSE	S	SSE	SE	SSE	E	E	E	E	E	W	
16	WNW	N	W	W	WSW	WNW	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	W	
17	W	E	SE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	E	E	E	E	E	W	
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	W
19	SE	SE	SSE	SSE	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
20	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
21	SSE	S	S	ESE	SSW	W	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
22	S	S	S	E	E	E	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	W
23	SSE	SE	SE	E	E	E	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	W
24	SE	SSE	SE	S	S	S	NNE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SSW	SSW	W
25	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
26	ESE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SSW	SSW	W
27	SSE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SSW	SSW	W
28	E	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SSW	SSW	W
29	S	SSW	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
30	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
31	SSW	S	S	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W
PV	S	SE	SSE	ESE	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	W

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.M139
 BONANZA, UTAH
 SITE 13
 NOV, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	205	180	230	250	190	200	225	265	295	290	310	335	265	350	295	275	155	150	135	175	145	265	105	14
2	135	140	215	230	170	240	140	300	140	240	295	60	30	30	330	310	310	205	170	130	155	150	240	200	7
3	90	195	225	275	245	185	160	130	295	50	15	75	310	305	300	270	285	40	130	150	95	140	115	125	1VA1
4	160	190	165	235	255	215	170	245	220	350	290	290	290	305	290	10	25	175	140	150	130	175	145	220	11
5	170	205	210	230	160	215	150	185	265	260	285	15	300	295	285	245	270	215	180	145	165	145	165	170	9
6	200	205	220	220	175	120	160	200	110	195	310	155	325	295	315	335	215	195	165	290	235	215	180	195	10
7	120	145	145	115	125	130	140	130	240	195	305	305	250	290	245	240	225	190	175	205	220	235	170	225	7
8	255	225	235	215	210	225	235	225	240	295	300	305	300	305	295	295	295	280	195	145	130	155	175	255	11
9	205	215	185	165	210	180	130	170	195	40	50	310	290	290	240	10	160	195	140	150	155	120	140	110	8
10	120	160	140	135	95	160	155	145	120	275	275	280	260	280	280	250	160	165	160	150	140	175	155	80	8
11	135	145	150	165	100	150	110	150	335	310	285	285	305	300	225	265	175	275	195	190	210	230	175	180	8
12	145	155	165	145	170	170	175	165	5	225	200	200	215	230	235	190	190	300	305	60	200	140	240	135	9
13	120	115	165	95	50	75	75	65	75	75	70	65	70	65	65	90	80	70	75	80	80	90	90	85	5
14	85	140	145	120	100	115	105	100	90	70	60	40	60	50	60	40	40	35	60	60	100	120	140	145	4
15	120	145	135	140	120	185	140	150	70	0	305	330	285	10	15	40	50	75	45	70	55	95	90	90	3
16	100	115	115	115	110	125	90	285	205	290	335	70	75	260	260	280	270	280	135	105	120	120	100	80	6
17	150	130	135	130	130	145	165	190	280	285	305	295	290	255	260	270	245	150	135	165	160	170	200	180	8
18	225	215	150	215	215	195	190	190	235	310	295	270	270	270	265	270	210	135	135	145	140	130	155	230	11
19	160	165	210	185	165	185	205	130	230	335	295	290	270	320	305	280	195	185	145	140	130	125	130	165	9
20	150	175	135	220	160	195	130	145	205	295	300	300	280	290	280	275	260	175	135	140	165	225	240	260	13
21	190	225	210	130	165	205	180	190	235	300	310	15	40	295	280	285	245	155	135	165	130	135	130	130	7
22	55	300	125	160	160	125	185	100	225	270	30	40	30	355	265	140	115	135	135	125	145	160	135	130	8
23	145	145	200	140	200	170	195	185	240	280	300	315	305	310	330	345	60	150	140	220	160	55	275	160	10
24	25	330	300	330	10	290	290	300	295	290	280	290	290	305	70	255	180	55	90	85	90	100	105	95	14
25	0	10	10	10	5	10	10	10	10	15	35	200	280	265	255	265	180	150	140	160	145	145	175	265	14
26	140	240	240	240	240	240	240	240	240	240	275	300	300	290	285	260	160	125	160	150	135	160	165	250	12
27	240	220	280	165	150	205	145	280	135	270	270	335	30	15	240	230	290	265	285	175	130	140	110	170	13
28	125	170	130	145	140	130	215	150	285	155	315	290	300	280	315	260	230	125	130	145	130	115	115	195	7
29	95	155	110	130	130	160	155	130	260	305	285	290	245	270	40	175	150	115	125	150	125	150	135	190	7
30	165	95	210	140	135	205	110	160	225	170	260	225	320	240	210	245	235	240	185	195	215	220	205	245	11
PV	7	7	7	7	8	9	8	9	11	14	14	14	14	14	13	13	9	9	7	8	7	7	7	9	8

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 1 10 METERS

NOV, 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SSE	SSW	S	SW	WSW	S	SSW	SW	W	WNW	WNW	NW	NNW	W	N	WNW	W	SSE	SSE	SE	S	SE	WNW	ESE	WNW	
2	SE	SE	SW	SW	WSW	S	SE	WNW	SE	WSW	WNW	ENE	NNE	NW	NW	NW	NW	SSW	SSW	SE	SSE	SE	WNW	ESE	WNW	
3	E	SSW	SW	W	WSW	S	SSE	WNW	NE	WNW	WNW	ENE	NW	NW	NW	NW	NW	NE	SE	SE	E	SE	WNW	(VA)	SE	
4	SSE	S	SSE	SW	WSW	S	SSW	WSW	SW	N	WNW	WNW	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
5	S	SSW	SSW	SW	WSW	S	SSE	WSW	W	W	WNW	NNE	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
6	SSW	SSW	SW	SW	WSW	S	SSE	WSW	ESE	SSW	WNW	SSW	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
7	ESE	SE	SE	ESE	WSW	S	SE	SE	SE	WNW	NW	NW	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
8	WSW	SW	SW	SW	WSW	S	SSW	WSW	SW	WNW	WNW	NW	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
9	SSW	SW	S	SSE	SSW	S	SE	SSW	NE	NE	NE	NW	WNW	WNW	N	WSW	S	SSE	SSE	SE	S	SE	WNW	SE	SW	
10	ESE	SSE	SE	E	SSW	S	SSE	SE	ESE	W	W	W	W	W	W	WSW	S	SSE	SSE	SE	S	SE	WNW	SE	SW	
11	SE	SE	SSE	SSE	E	SSE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	SSE	SE	S	SE	WNW	SE	SW	
12	SE	SSE	SSE	SE	S	S	S	SSE	N	SW	SSW	SSW	SW	SW	SW	S	S	NW	NW	ENE	ENE	ENE	ENE	ENE	ENE	ENE
13	ESE	ESE	SSE	E	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ENE	ENE	ENE	ENE	E	E	ENE	ENE	ENE	
14	E	SE	SE	ESE	E	ESE	ESE	E	E	ENE	ENE	NE	ENE	NE	NE	NE	NE	ENE	ENE	E	E	ENE	ENE	ENE	ENE	
15	ESE	SE	SE	ESE	E	ESE	SE	SSE	ENE	N	NW	NW	NW	N	NE	NE	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	
16	E	ESE	ESE	ESE	ESE	SE	E	WNW	SSW	WNW	WNW	ENE	ENE	W	W	W	W	SE	ESE	ESE	E	E	ENE	ENE	ENE	
17	SSE	SE	SE	SE	SE	SE	SE	W	WNW	NW	WNW	WNW	WNW	W	W	W	W	SE	SSE	SSE	S	SSE	SE	SE	SE	
18	SW	SW	SSE	SW	SW	SSW	S	SW	SW	NW	WNW	W	W	W	W	W	W	SE	SE	SE	SE	SE	SSW	SSW	SSW	
19	SSE	SSE	SSW	S	SSE	S	SSW	SE	SW	WNW	WNW	WNW	W	WNW	NK	W	SSW	SE	SE	SE	SE	SE	SSW	SSW	SSW	
20	SSE	S	SE	SW	SSW	S	SSW	SE	SE	SSW	WNW	WNW	W	WNW	NK	W	SSW	SE	SE	SE	SE	SE	SSW	SSW	SSW	
21	S	SW	SSW	SE	SSE	S	S	SW	SSW	WNW	WNW	WNW	W	WNW	NK	W	SSW	SE	SE	SE	SE	SE	SSW	SSW	SSW	
22	NE	WNW	SE	SSE	SSE	SE	S	E	SW	W	NNE	NE	NNE	N	W	S	ESE	SE	SE	SE	SE	SE	SSW	SSW	SSW	
23	SE	S	SSW	SE	SSW	S	SSW	SW	WSW	W	WNW	NW	NW	NW	NW	NW	NW	SE	SSE	SSE	SE	SE	SSW	SSW	SSW	
24	NNE	WNW	WNW	WNW	N	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	W	WNW	S	NE	E	E	E	E	SSW	SSW	SSW	
25	N	N	N	N	N	N	N	N	N	N	NNE	NE	SSW	W	W	W	W	SE	SSE	SSE	SE	SE	SSW	SSW	SSW	
26	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW	WNW	W	W	W	W	SE	SSE	SSE	SE	SE	SSW	SSW	SSW	
27	WSW	SW	W	SSE	SSE	SSW	SE	W	SE	W	W	NW	NW	NW	NW	NW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
28	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
29	E	SSE	ESE	SE	SE	SSE	SE	W	NW	WNW	WNW	W	NW	W	W	W	W	SE	SSE	SSE	SE	SE	SSW	SSW	SSW	
30	SSE	E	SSW	SE	SE	SSW	ESE	SSE	SW	S	W	SW	WNW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
PV	SE	SE	SE	SE	SSE	S	SSE	S	SW	WNW	WNW	WNW	WNW	W	W	W	W	SE	SSE	SSE	SE	SE	SSW	SSW	SSW	

WIND DIRECTION (CC102)

DEGREES

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT #139
BONANZA, UTAH
SITE 13

DEC, 1980

AFROVIRONMENT INC.

.....
* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/81 * * * * *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	140	150	140	170	170	275	270	280	270	290	290	270	265	265	220	210	225	135	130	175	145	260	180	13
2	125	140	250	300	130	210	90	125	110	165	300	305	315	340	225	200	115	115	115	110	40	160	275	150	7
3	100	155	70	110	135	235	195	255	300	210	265	55	335	280	265	235	185	175	165	190	190	155	125	140	9
4	100	120	205	45	215	335	140	180	195	195	200	205	205	210	210	215	210	195	245	170	175	185	190	165	10
5	190	180	150	235	175	190	225	70	65	120	300	290	300	255	200	260	285	250	295	50	135	125	120	150	9
6	130	235	175	205	165	250	230	285	290	300	285	135	100	25	10	60	150	190	225	215	240	135	150	145	11
7	140	115	230	160	285	110	85	50	140	45	5	5	330	30	15	290	315	55	105	105	105	100	100	85	6
8	80	50	25	330	65	170	40	265	95	10	25	10	300	310	300	280	240	180	155	135	190	135	215	160	(VA)
9	175	260	200	110	50	225	355	215	280	265	275	280	285	295	300	205	205	125	130	140	170	135	140	155	13
10	185	155	160	245	150	160	220	110	25	270	25	65	55	275	285	285	255	165	165	135	125	115	135	115	7
11	220	120	150	110	110	125	150	115	75	185	280	295	290	260	260	255	220	145	140	140	145	190	180	220	7
12	105	145	145	155	190	175	145	145	140	270	285	300	10	255	265	255	255	170	150	100	145	120	125	200	7
13	105	210	130	180	225	170	180	165	235	285	280	295	285	10	270	270	190	135	120	165	150	120	125	180	9
14	130	170	165	155	125	135	185	110	105	90	280	35	280	270	285	305	280	160	135	120	175	165	140	150	7
15	150	195	165	105	35	105	135	30	320	40	280	285	270	300	10	30	130	210	275	160	155	170	195	160	A
16	185	125	145	175	135	205	65	60	110	290	290	340	285	295	280	285	250	150	145	125	160	90	120	195	7
17	170	205	155	150	120	125	165	90	150	85	265	280	15	255	255	265	180	115	120	130	105	115	115	140	A
18	130	90	135	130	165	110	65	115	90	265	265	270	280	260	275	235	150	145	190	190	120	165	115	140	7
19	95	145	70	125	165	200	215	115	230	305	245	10	295	280	280	255	195	130	155	145	125	170	205	135	7
20	145	185	205	200	160	230	165	155	185	305	280	310	285	295	280	265	200	155	155	115	145	160	135	140	A
21	135	175	195	235	205	125	220	190	80	265	280	320	255	270	35	315	195	150	145	100	125	220	160	175	11
22	130	145	70	100	350	125	115	135	120	65	60	70	65	110	240	210	185	200	90	145	115	175	215	200	7
23	75	95	105	190	165	110	140	165	130	210	265	285	320	335	255	265	150	140	165	160	200	145	275	240	7
24	100	140	220	200	180	140	195	135	260	325	310	315	280	270	295	295	260	140	150	175	180	285	160	145	7
25	125	155	155	225	170	150	135	180	165	295	300	300	285	285	240	205	145	125	125	210	140	170	220	280	7
26	215	240	205	215	155	260	140	270	115	285	325	290	255	260	345	250	155	160	140	145	130	150	235	175	7
27	35	30	30	140	60	60	90	75	150	230	200	235	240	240	245	235	190	145	125	120	130	150	130	170	7
28	130	130	175	185	115	115	140	160	90	10	320	350	265	275	280	265	230	160	150	160	170	185	195	145	9
29	165	145	110	120	165	195	225	140	195	265	295	260	255	275	285	215	140	155	150	135	170	205	160	155	A
30	185	140	225	200	180	140	155	175	165	70	305	5	290	285	275	275	270	155	160	140	145	115	150	240	A
31	155	190	130	175	145	200	150	120	170	285	320	310	270	270	240	270	250	160	170	160	145	150	180	180	A
PV	7	7	8	9	A	7	7	7	6	14	14	14	13	13	13	13	10	A	7	7	7	A	7	9	A

ADJUST (21 JAN 81)

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 13

LEVEL HEIGHT 10 METERS

DEC. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SSE	SE	S	S	W	W	W	WNW	WNW	WNW	W	W	W	SSW	SSW	SW	SE	SE	S	SE	W	W	W
2	SE	SE	ENE	ENE	SE	SSW	E	ESE	ENE	SSE	WNW	WNW	NW	NW	SSW	ESE	ESE	SW	ESE	ESE	NE	SE	W	W	SE
3	E	ESE	SSW	NE	SW	NNW	SE	SSW	SSW	SSW	SSW	SSW	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	W	W	SSW
4	E	ESE	SSW	NE	SW	NNW	SE	SSW	SSW	SSW	SSW	SSW	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	W	W	SSW
5	S	S	SSE	SW	S	S	ENE	ENE	ENE	ENE	ENE	ENE	N	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	SE	S	S	SSW
6	SE	SE	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	SE	ESE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
8	E	ENE	NNE	NNE	ENE	ENE	E	ENE	ENE	ENE	ENE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ESE	E	E	E	ESE
9	S	S	SSW	ESE	NE	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SW	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	ESE	SE	SE	SE	S	S	SE	SE	SE	SE	SE	SE	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	ESE	SSW	SE	S	S	S	S	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	SE	S	SSE	SSE	SE	S	S	ESE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SSE	SSW	SSE	SSE	SE	SE	S	ESE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	S	SE	SE	S	S	S	ENE	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	S	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	E	ENE	ENE	SE	SSW	S	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	E	SE	ENE	ENE	SE	SSW	S	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	SE	S	SSW	SSW	SSE	SSE	S	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	S	SSW	SSW	SSE	SSE	S	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	SE	SE	ENE	E	N	SE	ESE	ESE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	ENE	E	ESE	S	SSE	ESE	SE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	E	SE	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	SE	SSE	SSE	SSW	S	SSE	S	E	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	NE	NNE	NNE	SE	ENE	ENE	E	ENE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	SE	SE	S	S	ESE	ESE	E	ESE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SSE	SE	ESE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	SE	S	SSW	SSW	S	S	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
31	SSE	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	SE	SE	SSE	S	SSE	SE	SE	ESE	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
JAN, 1980
AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
10	1	2	2	2	2	2	2	3	4	4	5	3	3	3	2	2	2	2	2	2	2	2	0	1	2	5
11	-11	-12	-12	-13	-16	-16	-15	-12	-11	-9	-6	-2	-2	-2	-2	-2	-4	-5	-5	-6	-6	-8	-10	-11	-1	4
12	-9	-9	-9	-9	-9	-9	-8	-8	-9	-7	-7	-6	-6	-5	-7	-9	-8	-8	-8	-8	-9	-10	-10	-9	-10	-2
13	-12	-12	-12	-11	-11	-11	-10	-6	-5	-2	-2	-1	1	0	-1	-2	-2	-2	-2	-3	-4	-4	-5	-5	-9	-5
14	5	6	5	5	5	6	-1	-2	0	2	3	3	2	2	1	1	0	0	-1	-2	-2	-2	-2	-2	-2	5
15	-2	-3	-3	-3	-3	-4	-4	-4	-2	-2	-1	0	1	1	2	1	0	-2	-4	-4	-4	-3	-3	-3	-2	2
16	-3	-3	-3	-2	-2	-3	-4	-4	-2	-2	0	0	1	0	0	-1	-2	-2	-2	-2	-3	-3	-2	-2	-2	1
17	-2	-2	-2	-2	-3	-4	-5	-4	-4	-3	-2	0	-1	-1	-1	-1	-2	-2	-2	-2	-3	-2	-3	-2	-2	0
18	-2	-3	-2	-3	-4	-4	-4	-4	-4	-3	-1	-1	0	1	0	0	-1	-2	-2	-2	-2	-3	-3	-3	-2	0
19	-4	-5	-7	-8	-8	-8	-7	-8	-8	-9	-6	-6	-6	-6	-7	-7	-7	-7	-7	-9	-10	-9	-8	-8	-2	1
20	-10	-10	-11	-10	-11	-10	-10	-10	-9	-6	-4	-5	-5	-5	-7	-7	-7	-7	-8	-9	-10	-11	-11	-10	-9	-4
21	-9	-8	-10	-9	-9	-8	-8	-9	-8	-7	-7	-6	-6	-6	-7	-6	-6	-6	-7	-7	-7	-7	-7	-7	-6	-6
22	-6	-8	-8	-8	-8	-8	-8	-8	-9	-7	-6	-6	-6	-6	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-7
23	-11	-12	-12	-12	-13	-13	-13	-13	-13	-11	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-7
24	-11	-11	-11	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7
25	-11	-11	-10	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-7
26	-9	-11	-11	-11	-12	-12	-12	-12	-13	-13	-13	-11	-8	-6	-7	-6	-5	-3	-2	-4	-4	-5	-5	-7	-8	-2
27	-15	-14	-14	-14	-14	-14	-14	-14	-14	-15	-15	-13	-12	-11	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-5
28	-9	-9	-9	-9	-9	-8	-9	-9	-9	-9	-11	-10	-10	-9	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
29	-11	-11	-10	-10	-10	-10	-10	-10	-12	-12	-10	-9	-6	-1	0	-4	-2	-5	-6	-7	-10	-11	-12	-12	-9	-8
30	-10	-9	-11	-12	-15	-14	-17	-19	-21	-20	-17	-12	-8	-6	-6	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	0
31	-20	-22	-22	-22	-22	-22	-23	-23	-24	-24	-17	-14	-11	-10	-5	-8	-8	-11	-15	-17	-17	-17	-17	-17	-17	-5
AV	-8	-8	-8	-8	-9	-9	-9	-9	-9	-7	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-7
SD	6	6	6	6	6	6	6	6	6	6	6	5	4	4	4	3	3	3	3	3	3	3	3	3	3	5

ABOUT (29 JAN 81)

TEMPERATURE (CC/03)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

FEB, 1960

AEROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-18	-19	-18	-17	-17	-18	-18	-21	-21	-17	-17	-12	-13	-9	-9	-10	-10	-9	-13	-16	-16	-17	-17	-17	-16	-9	
2	-18	-18	-18	-19	-18	-19	-20	-21	-21	-18	-13	-11	-10	-9	-8	-4	-5	-6	-12	-13	-14	-14	-14	-14	-14	-9	
3	-13	-14	-14	-13	-13	-14	-14	-14	-14	-10	-6	-6	-3	1	3	-1	-4	-7	-10	-11	-11	-11	-11	-10	-9	1	
4	-9	-10	-9	-10	-11	-14	-13	-13	-13	-10	-6	-4	-2	-2	-5	-4	-2	-4	-7	-10	-11	-12	-12	-13	-9	-2	
5	-13	-13	-14	-14	-16	-15	-16	-16	-15	-13	-10	-7	-5	-1	1	1	1	1	1	-1	-12	-11	-11	-12	-10	1	
6	-11	-11	-11	-12	-13	-14	-14	-14	-13	-11	-8	-7	-5	-4	-6	-7	-8	-9	-9	-9	-8	-8	-8	-8	-9	-10	
7	-10	-9	-9	-9	-9	-9	-9	-8	-6	-1	-4	-3	-2	-1	-1	-2	-3	-4	-5	-6	-8	-10	-9	-12	-4	-1	
8	-10	-12	-12	-15	-18	-18	-19	-19	-18	-8	-9	-7	-7	-8	-7	-8	-13	-15	-15	-13	-16	-19	-20	-21	-13	-7	
9	-22	-22	-22	-22	-23	-23	-23	-23	-23	-12	-11	-9	-8	-11	-13	-17	-19	-20	-20	-20	-21	-22	-22	-23	-14	-8	
10	-23	-22	-23	-22	-22	-15	-14	-13	-8	-9	-9	-11	-13	-15	-17	-18	-19	-20	-21	-21	-21	-22	-22	-22	-14	-8	
11	-22	-22	-22	-19	-13	-12	-10	-8	-6	-7	-9	-9	-11	-14	-15	-17	-19	-19	-19	-20	-19	-20	-20	-21	-16	-6	
12	-21	-20	-18	-16	-13	-12	-9	-7	-6	-9	-9	-11	-14	-15	-15	-17	-17	-18	-18	-18	-17	-18	-17	-17	-15	-7	
13	-17	-14	-10	-7	-4	-4	-3	-2	-4	-6	-9	-11	-12	-12	-12	-11	-10	-10	-10	-10	-9	-9	-9	-9	-9	-2	
14	-8	-7	-5	-4	-3	-3	-2	-2	-3	-4	-5	-5	-7	-8	-8	-9	-9	-8	-9	-9	-9	-8	-8	-8	-6	-2	
15	-6	0	1	0	2	1	2	1	2	1	2	4	-6	-6	-6	-6	-6	-7	-7	-7	-7	-8	-9	-9	-4	2	
16	-9	-7	-4	-4	-2	0	1	0	-4	-5	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-5	-6	-6	-6	-5	1	
17	-5	-4	-2	-1	0	0	3	2	1	0	-1	-2	-2	-2	-2	-2	-1	-2	1	2	0	-1	-2	-2	-1	3	
18	-1	2	4	7	3	3	6	7	6	6	5	4	3	3	2	2	1	2	2	1	0	0	0	0	0	7	
19	-4	-1	3	6	6	6	6	6	6	6	5	4	3	3	2	2	1	2	2	1	0	0	0	0	0	7	
20	-1	0	1	1	1	1	2	5	4	5	4	3	0	-1	0	0	-1	-2	-2	-2	-2	-2	-2	0	5		
21	-3	-3	-2	1	1	1	1	3	2	3	1	0	-1	-2	-3	-3	-4	-3	-3	-3	-4	-3	-3	-3	-1	3	
22	-3	-3	-3	0	1	2	2	2	3	4	4	4	3	0	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	0	4	
23	-3	-5	-4	-3	-2	-1	0	1	2	4	4	2	0	0	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	4	
24	-7	-7	-8	-8	-5	-3	-3	-1	-1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	3	
25	-8	-8	-8	-8	-6	-3	-2	-1	0	2	2	2	3	2	0	-2	-2	-3	-3	-4	-6	-6	-7	-7	-2	4	
26	-7	-7	-7	-7	-5	-3	0	-1	0	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	3	
27	-6	-6	-7	-7	-5	-2	0	2	4	5	6	7	8	8	5	2	1	0	-2	-3	-4	-5	-5	-6	-2	6	
28	-4	-4	-4	-4	-3	-1	1	3	5	6	7	7	8	8	7	5	4	2	1	0	0	-1	-1	-1	0	6	
29	-1	-1	-2	-3	-3	-1	1	2	3	5	5	5	5	6	5	2	1	1	0	0	-1	-1	-1	-1	1	7	
AV	-10	-9	-9	-8	-7	-7	-6	-5	-4	-3	-3	-3	-3	-3	-4	-5	-6	-6	-6	-7	-8	-8	-9	-9	-6	1	
SD	7	7	7	8	8	8	8	8	7	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	6	1

TEMPERATURE (CCI03)

DEGREES CELSIUS
LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
MAR, 1980
AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-2	-2	-2	-3	-3	-4	-3	-2	-1	0	1	3	3	3	4	3	3	0	-2	-3	-3	-1	-3	-4	-1	5	
2	-3	-4	-6	-6	-6	-7	-5	-4	-2	0	1	3	5	4	5	4	4	4	2	1	-1	-1	-1	-1	-1	5	
3	-2	-2	-2	-2	-2	-2	-2	-2	-1	1	3	4	4	4	5	3	0	0	1	-1	0	1	1	0	0	5	
4	0	0	0	-2	-2	-2	-2	-2	-1	1	2	3	3	4	5	5	6	6	5	5	4	2	2	3	2	6	
5	-1	-2	-2	-2	0	0	-1	-1	0	3	4	4	6	6	5	5	6	6	5	4	2	2	2	3	2	6	
6	3	4	3	0	-1	0	0	-4	-2	-1	0	1	-1	1	2	2	2	3	1	-5	-4	-4	-3	-3	0	4	
7	-3	-2	-2	-2	-1	-2	-4	-4	-2	1	2	0	0	1	2	4	5	4	0	-1	-1	0	0	0	-2	-1	5
8	-1	-1	-1	-1	-4	-5	-6	-5	-3	-1	1	3	3	4	5	4	4	4	3	2	1	0	0	0	0	0	5
9	-1	-2	-4	-6	-5	-5	-5	-5	-3	0	2	3	4	-1	-8	-7	-6	-5	-6	-6	-6	-6	-9	-9	-8	4	
10	-6	-2	-3	-3	-3	-4	-3	-4	-5	-2	1	3	2	3	4	6	7	8	7	5	4	4	2	2	2	1	4
11	-3	-3	-3	-3	-4	-6	-5	-6	-5	-3	-4	-2	1	3	6	6	8	6	5	5	4	1	0	0	0	4	
12	0	0	1	-1	-2	-1	-1	-2	-4	-6	-4	-2	-1	0	1	2	3	3	2	0	-2	-3	-4	-5	-1	3	
13	-5	-5	-6	-6	-6	-5	-7	-10	-8	-4	-2	1	3	4	6	7	8	4	4	4	3	2	2	1	0	4	
14	2	1	1	0	-1	-5	-6	-6	-4	1	4	6	9	10	11	13	11	11	10	9	6	6	7	5	4	4	
15	5	7	8	5	3	1	1	1	3	3	6	8	10	8	6	7	8	9	8	5	5	3	4	4	4	10	
16	3	0	-2	-3	-3	-4	-4	-5	-4	-4	-3	-2	-3	-3	-2	-2	-1	-1	-2	-2	-2	-4	-6	-7	-3	3	
17	-9	-10	-11	-10	-10	-9	-10	-9	-6	-3	-1	-2	0	2	4	5	4	4	3	2	1	0	-4	-5	-3	5	
18	-4	-7	-7	-6	-8	-9	-8	-4	-1	-2	0	2	3	6	6	8	7	6	4	3	-1	0	0	-2	-1	4	
19	-2	-3	-3	-4	-4	-4	-3	-4	1	1	3	5	6	7	6	9	9	7	7	3	1	-1	-2	-4	-1	4	
20	-3	-3	-5	-5	-4	-8	-7	-3	-1	2	4	6	8	9	10	11	9	5	4	4	3	2	0	-1	2	11	
21	0	1	-2	-2	-1	-3	-1	4	8	10	11	12	12	12	13	3	3	2	1	0	0	0	0	0	1	3	12
22	-3	-3	-4	-4	-3	-3	-2	-1	3	3	6	5	6	6	7	6	6	6	6	5	5	5	2	-2	2	7	
23	-3	0	-1	-2	-2	-2	-1	0	2	2	3	4	5	6	6	7	6	6	6	6	5	5	2	-2	2	7	
24	-3	-3	-4	-4	-4	-4	-4	-5	-6	-6	-5	-4	-4	-4	-2	-1	-1	-1	-1	-1	-1	-4	-4	-3	1	7	
25	-6	-5	-5	-5	-5	-5	-10	-8	-5	-4	-1	-4	-4	-4	-2	-1	-1	-1	-2	-7	-7	-6	-6	-6	-4	-1	
26	-3	-3	-4	-5	-5	-7	-8	-7	-4	-2	0	2	4	5	6	4	4	2	0	-1	-2	-2	-2	-3	-2	4	
27	-3	-3	-4	-5	-5	-7	-8	-7	-4	-2	0	2	4	5	6	4	4	2	0	-1	-2	-2	-2	-3	-2	4	
28	-3	-3	-4	-6	-6	-6	-6	-5	-4	-3	-1	0	1	1	0	0	0	0	-2	-3	-3	-4	-3	-3	-2	6	
29	-1	-4	-4	-4	-5	-6	-2	-3	-2	1	3	5	3	3	4	6	6	7	7	6	4	3	2	-2	-2	1	
30	-2	-2	-2	-2	-2	-2	-3	-3	-1	1	0	2	4	5	-1	-3	-3	-6	-6	6	-5	-8	-2	-2	-3	5	
31	-11	-11	-11	-11	-11	-11	-11	-9	-4	-8	-5	-3	-2	-2	0	2	2	1	0	-2	-4	-5	-5	-2	-2	2	
AV	-2	-2	-3	-3	-3	-4	-3	-3	-2	-1	1	2	3	4	4	4	4	3	2	1	0	-1	-1	-2	0	1	
SD	3	3	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	2	1	

TEMPERATURE (CCI03)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 13
 APR. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-1	-2	-3	-4	-5	-5	-7	-7	-6	-5	-6	-6	-6	-4	-3	-1	0	1	3	2	0	0	-1	-2	-3	3
2	-4	-5	-5	-4	-4	-5	-5	-5	-6	-7	-2	-1	0	0	2	2	2	1	1	1	-1	-4	-5	-6	-3	2
3	-7	-7	-7	-7	-7	-7	-4	-1	1	3	3	5	6	7	8	8	7	6	4	2	0	0	-1	0	-3	8
4	0	-1	-2	-2	-3	-2	0	3	5	8	11	12	12	14	16	15	15	12	9	7	7	6	6	5	6	16
5	5	4	3	2	2	-1	1	4	6	10	12	15	16	15	14	12	12	9	8	7	6	6	5	4	16	16
6	5	4	3	2	2	2	4	6	7	8	11	12	12	10	10	10	10	9	8	6	4	5	4	4	7	12
7	8	1	-2	-2	-2	-2	-2	-2	0	2	3	4	3	3	5	5	4	3	2	1	1	1	-2	-3	1	5
8	-4	-6	-6	-4	-7	-8	-4	0	4	7	8	9	10	10	16	17	17	15	10	8	6	6	6	5	11	11
9	0	-2	-3	-4	-3	-3	0	4	7	8	11	13	15	16	17	17	15	13	12	12	12	8	6	5	7	17
10	5	6	5	5	7	6	8	6	8	9	10	10	10	10	10	9	8	7	4	3	-2	1	0	-1	6	10
11	-1	-2	-4	-5	-4	-4	-2	0	1	2	4	5	6	6	6	6	6	5	4	3	1	0	0	-2	1	6
12	-3	-4	-5	-6	-7	-6	-3	-1	1	4	5	6	6	5	5	6	6	5	2	1	0	0	-2	-2	1	6
13	-3	-5	-5	-6	-7	-8	-3	0	2	5	6	8	9	11	12	11	10	8	5	5	3	2	0	-1	2	12
14	-3	-4	-4	-6	-7	-4	1	6	9	12	15	16	17	18	16	16	15	14	12	12	11	11	9	8	12	12
15	7	3	1	0	0	0	4	9	12	15	18	19	18	18	18	18	17	16	14	13	12	10	9	5	11	18
16	3	2	0	-2	0	4	9	12	15	14	14	16	16	16	17	17	17	15	13	12	10	7	5	3	9	17
17	1	1	0	-1	-2	0	3	9	11	13	16	18	19	20	21	21	19	15	13	10	7	5	3	6	11	21
18	4	3	2	1	0	1	4	9	13	17	19	22	24	25	26	25	21	18	16	14	13	10	9	6	11	21
19	7	7	6	4	2	2	6	11	16	18	22	24	25	26	27	26	24	23	20	18	16	15	14	12	15	27
20	9	9	6	4	3	3	7	11	17	19	24	25	26	26	26	25	24	22	19	18	17	17	17	17	17	26
21	17	17	16	16	15	14	16	21	21	21	22	23	21	19	16	16	16	13	12	12	11	11	9	7	16	23
22	6	6	5	4	4	5	6	9	12	14	16	17	18	18	19	20	20	19	17	15	13	12	12	12	13	20
23	11	9	9	10	10	9	10	10	8	9	12	14	14	16	16	16	15	14	10	10	10	10	10	9	10	14
24	7	7	6	6	7	7	7	8	9	11	11	10	13	13	14	14	15	15	15	15	14	13	13	12	10	15
25	8	8	8	6	6	3	3	5	7	8	10	13	14	17	17	18	19	18	17	14	13	13	13	10	11	15
26	10	7	7	7	5	4	2	2	5	6	11	12	14	16	18	19	20	18	16	17	15	13	12	11	11	20
27	9	8	9	8	4	1	3	7	10	13	17	19	20	22	20	21	21	21	21	20	18	14	15	13	13	22
28	13	14	10	10	8	7	6	5	8	12	16	19	21	20	21	22	22	21	21	19	18	17	16	15	14	22
29	13	13	12	11	9	9	11	11	15	16	17	19	21	21	23	23	24	21	13	14	13	11	8	8	14	24
30	8	9	9	7	7	7	6	6	6	11	13	14	9	8	11	11	12	11	8	7	7	7	7	3	9	14
AV	4	3	3	2	1	1	3	5	7	9	11	13	13	14	14	15	15	13	11	10	9	8	7	5	8	1
SD	6	6	6	6	6	6	5	6	6	6	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	1

TEMPERATURE (CC10X1)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 13

MAY, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7	7	6	6	6	6	7	7	10	11	12	15	17	16	16	14	13	12	13	12	10	9	9	6	10	17	
2	7	7	6	6	5	4	5	6	10	12	14	16	16	17	16	19	18	16	15	14	12	10	10	10	9	11	19
3	8	7	7	7	6	7	6	8	12	13	17	19	20	21	22	21	21	21	18	17	15	13	13	12	14	23	
4	12	11	10	10	9	7	6	8	11	13	14	17	19	20	21	22	21	21	19	17	15	13	9	6	14	22	
5	8	9	9	7	7	6	6	9	11	13	14	17	19	18	16	15	16	15	14	12	10	10	10	10	12	19	
6	10	9	9	8	8	8	7	8	12	16	16	17	20	20	15	13	13	14	13	13	12	11	11	11	12	20	
7	10	9	9	9	8	8	10	10	11	15	13	11	11	13	18	18	16	13	9	8	8	8	8	8	11	18	
8	7	7	7	7	7	7	7	9	10	14	15	15	15	15	15	17	18	19	19	16	11	10	11	10	12	19	
9	9	9	9	8	7	7	7	9	10	14	15	15	15	15	15	14	10	9	8	8	7	6	6	6	10	16	
10	5	5	5	5	4	5	5	8	10	14	11	13	13	14	15	17	16	14	9	8	6	6	5	9	17	17	
11	5	5	5	4	3	2	2	3	6	6	8	7	8	9	8	7	7	4	3	4	3	4	3	1	5	9	
12	1	2	2	2	2	2	3	3	5	6	7	6	7	6	9	10	6	6	4	4	5	4	3	3	5	10	
13	3	2	1	0	0	0	2	5	6	7	10	10	14	13	13	15	10	11	12	10	8	6	6	6	7	15	
14	5	3	2	2	0	-1	3	6	9	10	12	13	14	16	17	14	15	14	13	11	10	9	8	6	9	17	
15	6	4	3	3	2	2	4	6	8	11	13	16	17	17	17	16	17	16	16	12	12	11	11	11	11	18	
16	10	9	7	6	6	5	6	9	11	14	14	16	18	17	16	14	17	16	11	10	5	5	5	5	11	18	
17	4	4	3	2	2	2	2	4	5	5	6	7	9	10	10	10	11	11	10	9	7	7	5	5	6	11	
18	4	4	3	3	2	2	2	4	5	6	11	13	14	16	17	18	19	19	18	16	12	12	12	12	11	19	
19	10	9	8	8	6	4	4	6	10	11	14	16	19	20	23	23	24	22	21	20	17	16	15	15	24		
20	15	13	11	9	7	6	6	8	10	12	15	18	21	22	23	24	24	25	24	23	23	21	19	17	25		
21	15	13	13	12	10	9	8	8	11	14	18	21	23	25	27	28	29	28	28	28	27	25	22	20	19	29	
22	19	17	14	11	9	9	9	11	13	15	19	20	25	26	29	29	28	28	26	21	20	19	19	19	29		
23	18	17	17	16	15	14	13	13	13	14	16	18	18	19	19	21	21	21	21	21	18	15	14	15	17	21	
24	17	15	16	15	14	14	13	13	14	15	15	16	16	17	17	14	11	10	9	8	8	7	5	5	13	17	
25	5	4	4	4	4	4	3	4	5	5	8	8	9	11	10	12	8	6	5	4	4	2	2	1	6	12	
26	1	0	-1	-3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8	19	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
AV	9	8	7	7	6	5	6	7	9	11	13	15	16	17	17	17	16	15	14	12	11	10	9	11	()	()	
SD	5	4	5	4	4	4	3	3	3	3	3	4	4	4	5	6	6	6	6	6	6	5	5	5	5	4	()

ABOUT (29 JAN 81)

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 13
 JUN. 1960
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9	8	7	6	5	4	4	5	6	10	13	15	15	17	17	15	13	13	14	13	9	9	7	5	10	17
2	4	3	3	2	0	-1	-1	2	6	12	15	15	16	17	17	19	19	19	18	18	17	15	14	13	10	19
3	13	11	11	12	10	8	10	11	14	15	17	18	20	21	22	22	22	22	22	22	20	17	15	15	11	14
4	13	12	11	14	14	13	12	13	14	16	17	18	19	20	21	22	23	23	23	23	21	20	16	17	17	23
5	16	15	14	11	11	9	6	9	10	14	17	20	21	21	22	22	23	23	23	22	21	19	18	17	17	23
6	15	14	12	10	7	7	12	14	15	16	18	21	21	22	22	23	23	20	17	16	15	14	12	10	16	23
7	9	7	7	6	4	3	3	6	8	10	12	15	16	19	19	20	20	21	21	21	20	18	15	14	14	21
8	15	13	13	11	8	6	5	4	3	5	7	10	14	16	18	21	23	24	24	24	24	24	23	18	15	24
9	8	11	14	17	18	20	23	24	25	26	26	25	25	24	22	20	19	18	16	16	15	12	11	9	19	26
10	8	8	9	11	14	17	20	23	25	27	28	28	28	29	27	27	27	26	22	21	20	18	17	15	21	29
11	13	12	12	10	10	13	15	17	21	24	25	26	26	27	28	28	27	27	26	24	22	21	20	19	21	28
12	16	17	16	15	13	13	15	19	21	23	23	24	25	26	26	26	26	25	24	23	21	18	14	11	20	26
13	10	10	10	7	4	5	9	12	16	20	22	23	23	24	25	24	24	25	23	19	16	13	12	10	17	25
14	12	11	10	8	6	11	12	18	20	22	22	23	25	24	24	24	25	23	23	19	16	13	12	10	17	25
15	9	8	6	5	5	7	9	13	14	15	15	16	18	18	18	19	18	18	16	17	14	13	10	8	13	19
16	8	7	5	4	3	7	9	10	14	16	16	16	18	19	21	22	22	22	22	18	16	15	14	13	10	22
17	10	10	9	7	6	8	11	15	16	20	23	25	26	27	27	26	25	24	24	20	19	18	17	16	14	27
18	13	12	11	10	10	12	14	18	21	24	25	27	28	28	29	28	28	27	26	25	23	21	18	16	21	29
19	17	16	14	13	12	14	15	20	20	22	25	26	26	25	25	25	25	26	26	24	23	19	17	15	20	26
20	13	13	12	10	9	10	12	16	18	21	24	25	28	28	28	29	29	28	27	24	24	22	21	18	20	29
21	17	17	14	12	11	11	13	15	19	23	24	26	26	27	28	27	27	26	27	24	21	20	18	16	20	28
22	15	13	12	11	10	11	13	15	19	22	24	26	27	29	29	29	29	28	27	24	21	20	18	16	20	28
23	21	21	20	16	14	18	19	22	23	25	26	27	28	29	29	29	28	28	28	26	23	20	17	19	21	29
24	16	15	12	11	9	10	13	16	19	23	26	26	27	28	28	28	28	28	27	26	23	23	19	15	24	29
25	20	16	13	11	10	11	15	17	21	24	27	28	29	31	31	31	31	31	30	27	25	23	23	19	21	31
26	18	16	15	13	12	14	17	19	25	27	28	29	30	31	31	31	30	30	28	26	25	23	21	21	23	31
27	19	18	17	16	15	15	16	18	20	21	22	24	25	26	25	25	24	23	21	19	16	13	14	14	20	26
28	12	11	9	6	6	8	10	13	17	20	21	23	24	25	27	27	27	28	29	24	21	19	16	16	18	29
29	15	12	12	13	14	14	16	19	23	26	27	28	29	30	30	30	28	26	25	25	24	22	22	19	22	30
30	19	18	16	15	16	17	17	21	21	20	21	20	22	24	26	27	26	25	20	18	17	15	14	10	20	27
AV	14	13	12	11	10	11	12	15	17	20	21	22	24	24	25	25	24	24	24	22	20	18	17	15	14	11
SD	4	4	4	4	4	5	5	5	6	5	5	5	5	4	4	4	4	4	4	3	4	4	4	4	4	11

TEMPERATURE (C:03)

DEGREES CELSIUS

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

JUL. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	13	13	12	12	12	12	12	14	16	17	16	18	22	23	22	20	20	20	17	16	16	15	14	13	16	23	
2	12	12	11	10	10	10	11	14	16	17	20	22	23	24	25	26	26	26	24	21	20	18	15	14	16	22	
3	13	12	11	10	10	11	14	16	17	20	22	23	24	25	26	26	26	26	24	21	20	18	15	14	16	22	
4	14	12	14	17	18	19	22	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
5	14	11	10	10	10	10	10	10	10	20	24	25	27	28	29	29	29	29	28	25	24	23	20	19	21	29	
6	18	15	12	9	9	11	14	18	21	24	26	27	27	28	29	29	29	29	28	26	25	24	23	20	21	29	
7	18	17	15	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	15	18	
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
17	19	18	17	15	13	12	12	15	19	21	25	27	30	31	32	34	33	32	30	30	26	24	23	21	27	31	
18	22	21	20	17	16	17	18	18	21	24	26	28	28	29	30	32	33	32	31	30	29	26	23	23	24	34	
19	22	23	22	20	19	19	18	19	23	24	27	28	29	29	31	31	31	30	29	29	27	26	25	24	25	33	
20	18	17	15	14	13	11	12	14	18	19	23	25	27	27	29	29	30	30	30	29	27	26	24	21	25	31	
21	18	18	15	14	13	11	11	14	17	20	23	26	28	30	30	30	30	31	30	31	26	23	21	19	22	30	
22	18	18	17	15	15	13	13	16	19	23	24	28	29	30	31	32	31	31	31	30	27	24	24	24	24	32	
23	23	23	21	20	18	17	17	20	22	26	28	31	31	32	31	31	31	31	31	30	27	24	24	24	24	32	
24	15	14	13	13	13	14	12	14	17	21	24	25	27	29	29	29	29	26	23	21	19	18	16	16	24	30	
25	14	13	12	11	11	10	11	13	15	18	21	24	26	27	28	30	29	26	23	21	19	18	16	16	24	30	
26	16	16	16	16	13	11	11	12	15	19	20	21	25	28	28	30	30	30	30	30	29	25	23	20	18	20	30
27	20	20	19	17	14	12	12	11	13	16	20	26	29	30	31	31	31	30	30	30	29	25	24	22	22	30	30
28	18	16	15	14	13	12	11	14	17	20	25	28	30	31	31	32	32	33	32	31	27	24	23	21	23	32	
29	18	16	15	14	13	13	13	15	19	23	26	28	30	31	31	32	32	33	32	32	28	24	23	23	23	33	
30	19	18	16	15	14	13	13	15	19	23	26	28	30	31	31	32	32	33	32	32	28	24	23	23	23	33	
31	17	15	15	14	14	14	13	15	19	22	23	25	25	26	26	26	26	26	26	26	22	22	20	19	21	31	
AV	17	16	15	14	13	13	13	15	18	21	23	25	27	28	29	29	28	28	27	26	24	22	21	19	21	19	
90	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	4	3	4	4	4	3	3	3	3	1	

AQOUT (29 JAN 81)

TEMPERATURE (CCI03)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SYTE 13

AUG. 1960

AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	21	20	18	17	16	16	15	16	16	20	20	25	27	28	30	29	31	29	26	22	23	22	21	19	22	31	
2	19	18	17	15	14	13	13	13	17	21	22	24	26	27	28	30	30	30	29	27	28	28	25	24	21	30	
3	18	18	16	16	15	14	13	15	17	20	23	25	27	28	29	29	29	28	27	26	25	24	22	22	22	29	
4	21	21	18	15	14	11	11	10	14	19	19	21	22	23	24	26	27	28	28	26	25	22	21	19	20	28	
5	18	16	16	14	12	12	11	10	12	16	19	22	25	26	28	29	31	31	30	28	26	25	24	21	31	31	
6	23	21	21	21	19	17	16	14	18	21	28	28	30	31	32	31	31	30	29	26	24	23	21	18	28	32	
7	18	18	19	15	13	13	17	21	24	26	28	30	30	30	32	32	32	31	30	26	24	23	21	21	28	32	
8	21	20	16	15	15	13	15	19	22	26	28	29	31	32	32	31	31	31	29	25	25	24	25	24	28	32	
9	22	22	20	17	16	16	20	23	25	27	28	30	31	31	32	30	31	30	29	25	22	20	21	19	24	32	
10	18	15	14	13	12	12	14	18	23	25	27	28	28	30	29	30	29	29	27	26	24	20	18	19	22	30	
11	14	12	10	9	8	7	11	14	17	20	24	26	29	30	29	30	29	29	29	24	22	21	18	16	20	30	
12	16	15	14	12	11	11	13	17	24	28	27	29	29	30	29	29	27	26	24	23	23	22	21	19	22	30	
13	18	16	14	16	18	15	15	18	21	25	26	27	28	29	26	24	20	19	18	14	13	12	11	10	20	29	
14	16	16	14	14	13	12	13	16	18	21	24	24	27	28	28	28	27	26	24	19	16	15	15	16	20	28	
15	15	13	12	11	11	11	11	13	16	17	17	18	20	22	21	20	19	16	14	13	12	12	11	10	15	22	
16	9	9	8	7	7	6	8	11	13	16	16	18	19	20	20	21	21	21	20	18	16	15	15	13	18	21	
17	12	11	10	9	8	6	8	11	14	16	19	20	23	24	25	25	25	25	24	21	20	18	17	16	25	25	
18	16	13	14	14	11	11	11	15	18	23	24	25	26	27	27	27	26	26	25	23	22	21	20	20	27	21	
19	19	18	17	17	16	15	16	18	19	20	21	20	18	15	15	15	15	12	11	11	11	10	9	7	15	21	
20	6	5	5	4	3	3	4	7	10	12	15	16	17	18	20	21	22	22	21	17	16	13	13	13	13	22	
21	11	9	8	6	5	3	5	10	13	16	16	16	20	21	23	24	24	24	24	21	19	18	17	14	14	25	
22	14	11	10	9	7	6	7	12	16	19	23	26	27	28	28	27	27	25	24	21	22	20	19	19	28	28	
23	20	20	19	19	18	17	17	20	22	24	23	24	23	23	23	19	15	12	11	11	12	12	12	12	18	28	
24	12	11	11	11	10	10	10	12	14	16	16	18	19	21	22	21	22	22	19	16	14	13	13	13	16	22	
25	12	11	11	10	10	10	10	12	16	17	15	11	9	10	12	12	10	11	12	10	9	9	8	7	11	17	
26	6	8	7	6	5	6	6	8	10	13	15	16	18	19	21	19	18	16	15	13	13	12	11	10	12	21	
27	9	8	8	5	5	5	6	8	10	14	16	18	21	22	23	24	25	24	21	18	17	17	14	16	12	25	
28	17	15	12	11	9	9	8	11	15	18	20	23	24	25	25	25	25	24	23	21	20	20	21	20	18	25	
29	20	19	18	17	17	14	14	16	17	19	21	22	23	24	23	24	23	22	21	19	18	16	15	15	19	24	
30	15	12	13	13	12	11	11	12	15	17	19	20	21	22	22	23	22	21	19	17	15	13	11	10	16	23	
31	10	8	6	6	6	5	5	7	10	12	13	14	17	18	17	16	17	16	14	12	11	11	11	10	10	12	18

AV 16 14 13 12 12 12 11 11 14 17 20 21 22 24 25 25 25 25 24 23 20 19 18 17 16 18 11

SD 5 5 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 6 6 6 6 5 5 5 5 8 11

ADJUT (29 JAN 61)

TEMPERATURE (CC.03)

DEGREES CELSIUS
LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
SEP. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9	8	6	5	5	4	3	3	5	10	12	16	17	19	20	22	22	22	22	21	16	16	14	13	13	22
2	13	12	10	9	7	6	6	6	9	13	16	19	21	22	24	22	22	25	24	22	21	16	14	13	13	22
3	16	15	17	16	13	11	13	11	14	18	21	22	24	24	25	25	25	25	24	22	21	18	16	15	17	26
4	14	13	11	11	9	8	7	7	11	14	17	19	21	24	25	25	26	26	26	24	18	19	17	15	17	26
5	14	11	11	10	8	7	6	6	10	14	17	24	25	26	26	26	26	27	25	22	20	18	16	18	20	20
6	15	14	14	13	13	12	12	13	16	22	23	24	25	28	26	24	24	24	23	22	20	19	19	18	19	20
7	17	16	15	13	12	11	12	11	12	14	13	11	12	13	15	16	12	12	12	11	10	10	9	9	13	17
8	9	10	9	9	9	8	9	9	10	10	10	10	12	17	18	17	16	15	14	13	12	11	10	10	12	18
9	10	10	10	9	9	9	9	9	10	13	14	14	13	13	15	14	13	13	13	11	11	10	10	10	11	15
10	9	9	9	9	9	10	9	10	10	13	10	7	7	9	11	13	13	12	12	11	9	10	8	8	10	13
11	8	7	7	6	5	5	5	5	9	10	15	16	17	17	16	18	17	15	14	13	13	11	11	10	12	18
12	9	9	8	7	6	5	5	8	10	12	14	16	16	17	19	18	17	15	14	13	11	11	10	10	12	19
13	10	9	8	8	7	6	5	8	11	13	15	19	20	21	22	22	22	21	20	17	16	14	14	14	14	22
14	13	11	9	9	7	5	4	8	12	18	21	21	19	20	21	21	21	20	19	15	15	13	10	10	14	21
15	9	7	5	5	3	2	2	5	9	13	15	17	19	21	22	23	22	22	20	19	18	16	15	14	23	21
16	14	14	13	12	11	10	10	12	14	16	18	19	20	20	20	21	21	20	19	18	17	16	15	13	16	21
17	11	10	9	8	7	9	6	9	12	15	18	18	20	20	21	22	24	22	21	19	16	15	14	12	16	24
18	11	10	8	8	7	5	5	6	10	15	17	20	22	22	26	27	26	24	24	22	22	23	22	21	17	27
19	20	19	19	19	18	18	17	17	20	21	22	22	23	25	24	23	20	18	18	17	16	14	11	10	19	25
20	9	8	6	5	5	5	4	4	8	10	12	14	15	15	17	14	17	18	16	13	13	11	10	10	11	18
21	9	6	5	4	3	3	2	5	9	12	13	14	16	16	16	14	13	12	12	11	10	8	5	4	9	16
22	3	2	2	0	-1	-2	-2	-1	2	5	9	11	12	12	12	14	13	14	12	7	7	7	7	4	6	10
23	3	0	0	0	-1	-2	-2	-1	2	5	9	12	13	15	16	17	16	17	16	11	10	9	9	9	9	18
24	8	5	5	3	3	0	1	4	12	13	12	12	12	9	10	10	10	14	14	15	14	13	14	14	9	15
25	12	14	13	13	12	11	11	15	14	14	13	12	12	12	14	13	13	14	15	14	13	14	13	13	13	15
26	12	14	13	13	12	11	10	9	8	9	13	15	17	17	17	20	20	19	16	13	11	11	11	10	13	20
27	6	6	5	4	3	3	5	8	8	11	14	17	16	19	22	22	22	21	17	15	13	13	12	11	12	22
28	9	6	6	4	2	2	1	3	7	12	14	18	20	21	22	24	23	21	19	16	16	15	12	11	18	20
29	10	10	9	7	5	4	3	3	7	11	15	17	20	20	21	22	21	20	17	13	13	12	9	8	12	20
30	7	5	5	3	3	2	2	2	6	10	14	18	20	22	23	24	24	23	19	15	14	12	12	11	12	24
AV	11	10	9	8	7	6	6	7	10	13	15	17	18	19	20	20	20	19	18	16	15	14	13	12	13	11
80	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	11

ADDT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH

SITE 13

OCT, 1960

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	9	9	9	9	10	12	13	14	17	20	22	24	24	25	25	23	20	19	18	14	15	13	12	16	25
2	12	11	10	8	9	9	10	12	12	12	13	15	16	19	19	18	18	14	14	14	11	14	13	12	16	19
3	3	3	2	1	0	0	1	5	9	12	15	17	20	22	22	22	22	18	15	13	11	7	6	6	11	22
4	5	5	3	4	2	1	2	6	11	12	16	18	20	21	23	22	21	19	16	15	12	8	7	6	12	23
5	6	5	3	3	3	2	2	5	11	13	16	19	21	21	22	21	21	18	15	13	9	9	7	7	12	22
6	5	4	3	2	2	2	2	5	10	11	15	16	18	20	21	21	21	16	13	12	11	9	7	5	11	21
7	5	4	3	3	2	1	2	5	10	12	15	17	19	21	21	22	22	17	14	13	14	8	7	6	11	22
8	5	5	4	3	2	2	2	6	11	13	15	18	20	21	23	23	22	17	14	15	12	7	6	6	11	23
9	6	6	5	4	3	3	4	7	11	12	13	16	19	21	21	21	16	14	15	13	10	7	6	6	11	21
10	5	4	3	6	5	5	7	9	11	12	12	14	16	17	19	19	17	13	11	9	8	6	2	2	10	19
11	2	0	0	0	-1	-2	-1	4	8	12	12	14	16	18	20	21	19	18	17	15	13	14	10	9	10	21
12	8	7	7	6	6	7	7	8	9	12	14	16	18	20	21	21	19	17	16	14	14	10	9	6	7	12
13	6	5	5	5	5	5	4	6	8	9	10	11	14	13	12	11	12	12	10	7	7	6	3	3	8	14
14	2	2	2	2	2	2	3	3	4	6	5	5	7	9	10	9	8	6	5	3	3	1	0	4	10	10
15	1	3	2	2	3	2	1	2	5	7	6	5	2	2	3	3	2	1	1	2	1	1	-1	0	4	10
16	-1	-2	-1	0	0	0	-1	-1	-1	-1	-2	-2	0	3	3	3	3	4	3	3	3	2	1	-1	1	9
17	1	0	0	0	-1	-1	0	2	4	6	4	4	4	5	6	6	5	4	4	3	3	2	1	-1	3	6
18	-2	-2	-1	-2	-1	-1	0	0	2	6	6	5	7	9	10	9	8	4	4	5	4	3	2	0	3	10
19	-1	-1	-1	-2	-3	-3	-4	-1	2	5	6	6	7	8	9	8	4	4	4	3	3	2	0	-2	2	9
20	-2	-3	-2	-3	-3	-3	-3	-1	3	5	7	7	8	10	11	11	10	6	5	6	4	3	2	-2	3	11
21	-3	-3	-3	-3	-4	-4	-4	-1	3	6	9	10	11	12	12	12	12	7	7	6	5	6	6	-2	4	12
22	2	3	2	2	2	0	0	2	0	10	12	12	13	13	13	11	12	6	6	3	2	0	-2	-2	3	13
23	-4	-4	-5	-6	-4	-4	-4	-3	-1	-1	1	2	3	4	4	3	3	0	-2	-3	-5	-4	-4	-5	-2	4
24	-6	-7	-6	-7	-7	-9	-9	-8	-4	-4	1	2	6	7	7	8	7	4	1	-1	-2	-1	-4	-5	0	4
25	13	13	-1	-7	-4	-9	-10	-9	-4	-4	1	4	5	6	7	8	8	4	1	0	0	-2	-1	-2	0	13
26	-3	-4	-4	-3	-3	-4	-3	-3	-2	0	1	2	3	1	1	0	1	0	0	-1	-1	-1	-2	-3	3	3
27	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	0	0	1	1	1	0	0	-1	-2	-2	-3	-4	-5	-7	-2	1
28	-5	-5	-6	-6	-6	-6	-6	-6	-5	-2	0	2	3	3	3	3	3	1	0	-2	-4	-5	-5	-5	-3	3
29	-6	-7	-6	-6	-6	-6	-6	-6	-6	-6	3	5	6	7	7	7	4	1	0	-2	-3	-2	-4	-5	-2	7
30	-6	-6	-7	-6	-6	-6	-6	-4	-1	2	4	6	7	10	9	9	6	2	1	-2	-3	-2	-4	-5	0	10
31	-4	-4	-5	-5	-6	-6	-6	-3	0	2	6	8	9	11	10	9	6	4	3	2	1	0	-1	-4	1	11
AV	2	1	0	0	0	-1	0	2	4	7	8	9	11	12	12	11	9	7	6	6	5	4	3	2	5	1
30	5	5	5	5	5	5	5	6	6	6	7	7	7	7	8	8	8	7	6	6	6	5	5	5	5	1

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

NOV, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-4	-4	-5	-7	-7	-6	-2	1	4	7	8	10	12	11	9	5	3	3	3	2	1	1	-1	1	12	
2	-3	-4	-3	-4	-4	-2	-3	0	3	4	7	8	11	12	12	11	6	4	4	4	2	2	0	0	0	3	12
3	-2	-2	-2	-4	-5	-4	-4	-2	2	5	8	9	10	11	12	11	7	4	4	4	3	2	1	0	0	3	12
4	0	-1	-1	-2	-3	-4	-4	-2	2	5	6	8	11	10	11	12	11	7	5	3	3	2	1	0	0	3	12
5	-1	-2	-2	-3	-4	-4	-5	-4	1	3	7	9	12	13	13	12	8	6	4	4	2	1	0	0	0	3	13
6	0	-2	-2	-3	-5	-4	-4	-1	4	8	10	10	11	14	13	13	8	9	8	9	10	9	9	9	9	5	14
7	8	5	4	3	1	1	2	4	7	11	13	16	16	17	16	13	12	11	11	9	8	10	8	10	9	18	14
8	10	9	9	11	10	10	11	13	13	12	13	14	14	14	14	12	10	9	6	6	4	2	1	0	1	10	14
9	2	2	0	-1	-2	-2	-2	1	4	6	9	11	13	16	15	13	9	6	6	5	4	3	1	0	1	5	16
10	0	-1	-2	-3	-4	-4	-5	0	4	8	10	10	13	14	15	13	8	6	5	2	1	0	0	0	4	15	
11	0	-2	-2	-3	-4	-4	-5	0	2	4	8	10	13	12	10	9	11	11	10	8	7	5	4	13	4	13	
12	5	4	4	3	5	8	8	7	9	11	11	11	12	11	8	7	5	3	3	2	3	3	2	1	6	12	
13	2	0	0	-1	-2	-3	-3	-3	-3	-3	-3	-2	-1	-1	-1	-2	-2	-2	-2	-3	-4	-4	-5	-5	-2	2	
14	-5	-6	-6	-6	-6	-6	-6	-6	-5	-4	-3	-2	-2	-1	-1	-1	-2	-4	-5	-6	-6	-7	-8	-9	-5	-1	
15	-10	-10	-11	-12	-12	-12	-13	-10	-7	-7	-4	-4	-4	-3	-3	-3	-4	-6	-7	-8	-9	-8	-9	-10	-8	-3	
16	-11	-12	-13	-14	-14	-14	-14	-11	-10	-7	-6	-5	-5	-3	-4	-4	-5	-7	-9	-9	-10	-10	-11	-11	-9	-3	
17	-12	-13	-14	-14	-14	-14	-15	-12	-9	-6	-5	-5	-3	-3	-2	-2	-3	-8	-10	-11	-12	-12	-13	-13	-10	-2	
18	-14	-14	-15	-15	-16	-17	-17	-13	-9	-7	-5	-4	-3	-2	-2	-2	-6	-8	-8	-9	-9	-9	-10	-10	-10	-2	
19	-11	-11	-11	-12	-12	-13	-14	-11	-7	-5	-3	-2	0	1	1	0	-4	-6	-7	-8	-8	-8	-10	-10	-7	1	
20	-10	-11	-11	-11	-12	-12	-13	-10	-7	-3	-1	1	1	1	2	1	-4	-5	-5	-4	-7	-8	-9	-9	-6	2	
21	-10	-11	-10	-12	-12	-13	-14	-10	-7	-5	-2	0	1	2	2	0	-5	-6	-6	-8	-8	-9	-10	-10	-7	2	
22	-9	-10	-9	-9	-8	-8	-8	-7	-2	-1	2	4	4	4	3	2	1	0	0	-1	-1	-2	-5	-5	-3	4	
23	-6	-7	-6	-7	-8	-8	-9	-6	-3	-1	1	1	1	1	1	0	-2	-2	-3	-2	-2	-3	-5	-4	-3	1	
24	-4	-5	-5	-5	-4	-4	-5	-4	-4	-4	-3	-2	-2	0	0	-4	-4	-4	-5	-6	-6	-9	-10	-10	-5	0	
25	-11	-10	-10	-13	-13	-14	-15	-13	-9	-5	-4	-4	-3	-1	-5	-6	-9	-9	-9	-9	-9	-9	-9	-9	-9	-1	
26	-10	-12	-12	-13	-14	-14	-15	-12	-7	-6	-5	-4	-3	-1	-4	-9	-10	-10	-10	-10	-12	-13	-13	-13	-10	-1	
27	-14	-15	-14	-14	-14	-15	-15	-14	-11	-10	-7	-4	-5	-2	-1	-4	-6	-6	-6	-8	-8	-9	-10	-11	-10	-1	
28	-12	-13	-12	-13	-14	-14	-14	-11	-8	-4	-3	-2	-1	2	0	-3	-4	-4	-5	-6	-7	-7	-7	-7	-7	2	
29	-8	-10	-9	-10	-11	-11	-10	-9	-4	-2	-2	-2	-1	1	0	-3	-5	-6	-6	-7	-6	-8	-8	-8	-6	1	
30	-8	-8	-7	-8	-8	-9	-9	-7	-2	1	5	4	6	9	8	6	4	2	4	7	6	6	6	2	0	9	
AV	-5	-6	-6	-7	-7	-7	-7	-5	-2	0	2	3	4	5	5	4	1	1	-1	-1	-2	-3	-4	-4	-2	1	
SD	6	6	6	6	6	6	7	7	6	6	6	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	1

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 DEC. 1980
 AEROSURVEILLANCE INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-2	-3	-3	-6	-7	-8	-4	-4	-3	-2	-2	-1	0	0	1	1	-1	-3	-5	-5	-6	-7	-8	-9	-4	1	
2	-10	-9	-9	-9	-9	-10	-10	-10	-8	-3	-3	-3	0	-1	1	0	-2	-2	-3	-4	-3	-3	-3	-4	-4	1	
3	-4	-5	-5	-5	-5	-4	-4	-4	-4	-2	-1	1	2	5	5	4	4	3	2	1	2	3	2	2	3	8	
4	-1	-1	-1	-1	0	-1	1	5	6	7	8	9	9	7	5	4	3	2	1	2	3	3	4	4	3	9	
5	1	2	1	0	0	1	0	-3	-2	2	2	1	0	1	2	3	1	-1	-1	-1	-3	-3	-4	-4	0	3	
6	-4	-5	-4	-4	-5	-4	-4	-4	-4	-4	-3	-1	-1	0	0	0	-1	-2	-3	-3	-4	-6	-6	-7	-3	0	
7	-7	-8	-8	-7	-7	-7	-7	-7	-7	-6	-5	-4	-5	-4	-5	-5	-6	-5	-6	-6	-6	-6	-6	-6	-6	-4	
8	-7	-7	-8	-8	-8	-8	-8	-8	-8	-7	-5	-5	-6	-6	-5	-5	-6	-9	-10	-9	-10	-10	-10	-10	-11	-8	
9	-11	-11	-11	-10	-10	-10	-10	-10	-10	-9	-7	-7	-6	-5	-4	-4	-4	-5	-7	-7	-8	-9	-9	-9	-8	-4	
10	-13	-14	-14	-14	-14	-15	-15	-15	-14	-11	-8	-6	-3	-2	0	0	-2	-3	-6	-7	-8	-8	-9	-9	-9	-2	
11	-10	-11	-12	-13	-13	-13	-13	-13	-12	-8	-6	-4	-3	-2	0	0	-2	-5	-7	-8	-9	-10	-10	-11	-8	0	
12	-12	-12	-13	-13	-13	-14	-15	-14	-12	-10	-5	-3	-2	0	1	0	-2	-5	-7	-8	-9	-10	-11	-11	-8	1	
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17	-10	-9	-10	-10	-12	-12	-11	-12	-10	-8	-3	-2	1	2	2	2	1	-1	-6	-6	-7	-7	-8	-8	-8	2	
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19	-7	-9	-9	-10	-9	-8	-9	-9	-6	-2	2	5	6	7	8	5	3	0	-2	-4	-5	-6	-6	-6	-3	8	
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31	-7	-9	-9	-10	-10	-10	-8	-5	-1	3	3	3	3	3	2	2	2	2	0	-2	-3	-3	-4	-6	-3	3	
AV	-7	-8	-8	-8	-8	-8	-8	-8	-7	-4	-2	0	1	2	2	0	-2	-3	-4	-4	-4	-5	-5	-6	-4	1	
SD	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	3	3	4	4	4	4	4	4	4	4	3	1

Form 1279-3
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Air quality data,
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